

MDOT Statewide Outfall Points Grand Region

Under the NPDES Phase II Permit, MDOT is required to develop maps identifying the locations of their known outfalls. To complete these maps, MDOT is using two methodologies to locate outfalls: 1) MDOT is using existing survey data to estimate outfall locations, 2) MDOT is using their Illicit Discharge Elimination Program investigations to estimate outfall locations. These two methodologies are distinguished on the maps.

In addition to satisfying permit requirements, the outfall data are being used by the asset management division. These maps will be updated on an annual basis.

The maps in this file are organized by county and are linked to a Region Index Map on the following page. By clicking on a county on the Region Index Map, you will be forwarded to another index map. This index map will forward you to a map of outfall locations by clicking in the red squares. To return to the previous index map, click on the reference map at the bottom right hand corner of the page.

Legend:



U.S. Routes



U.S. Routes (Business Routes)



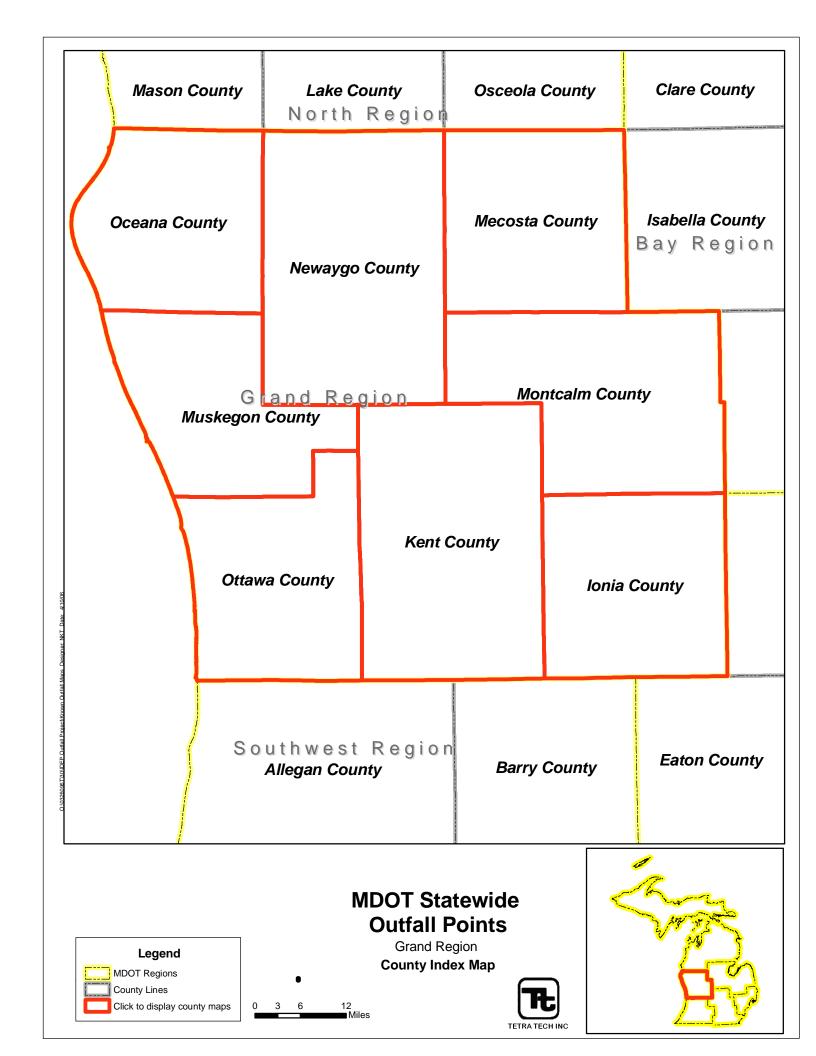
Interstate Routes

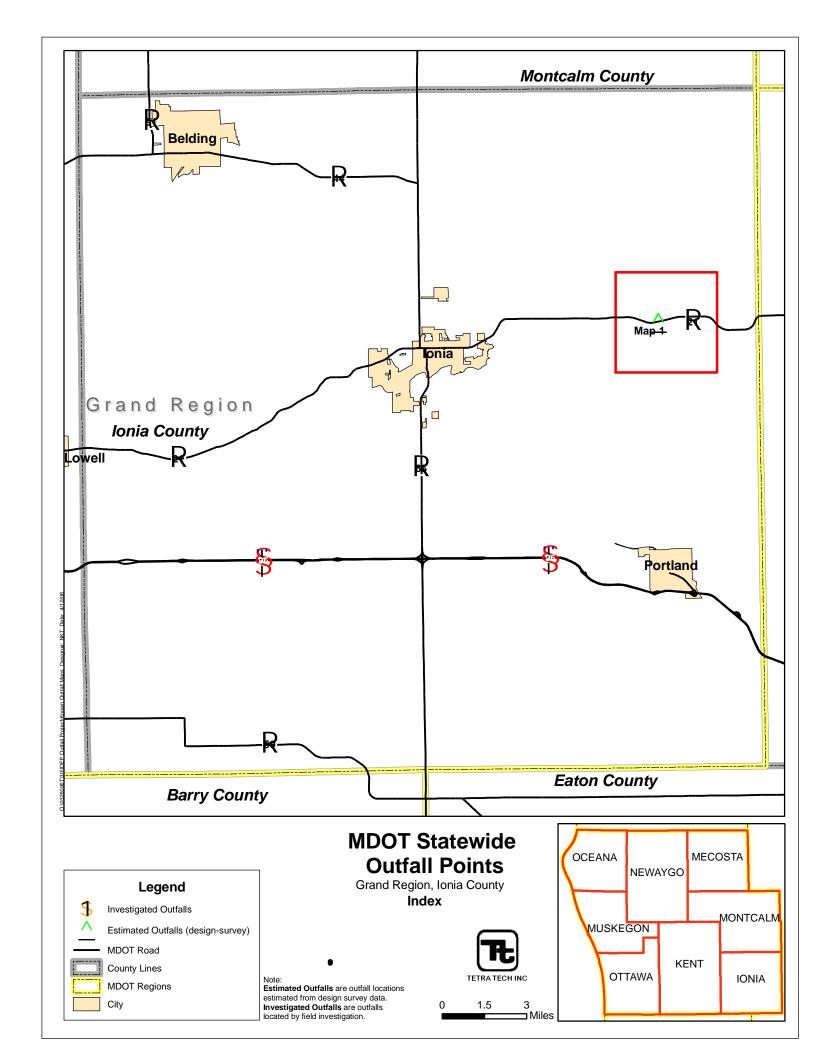


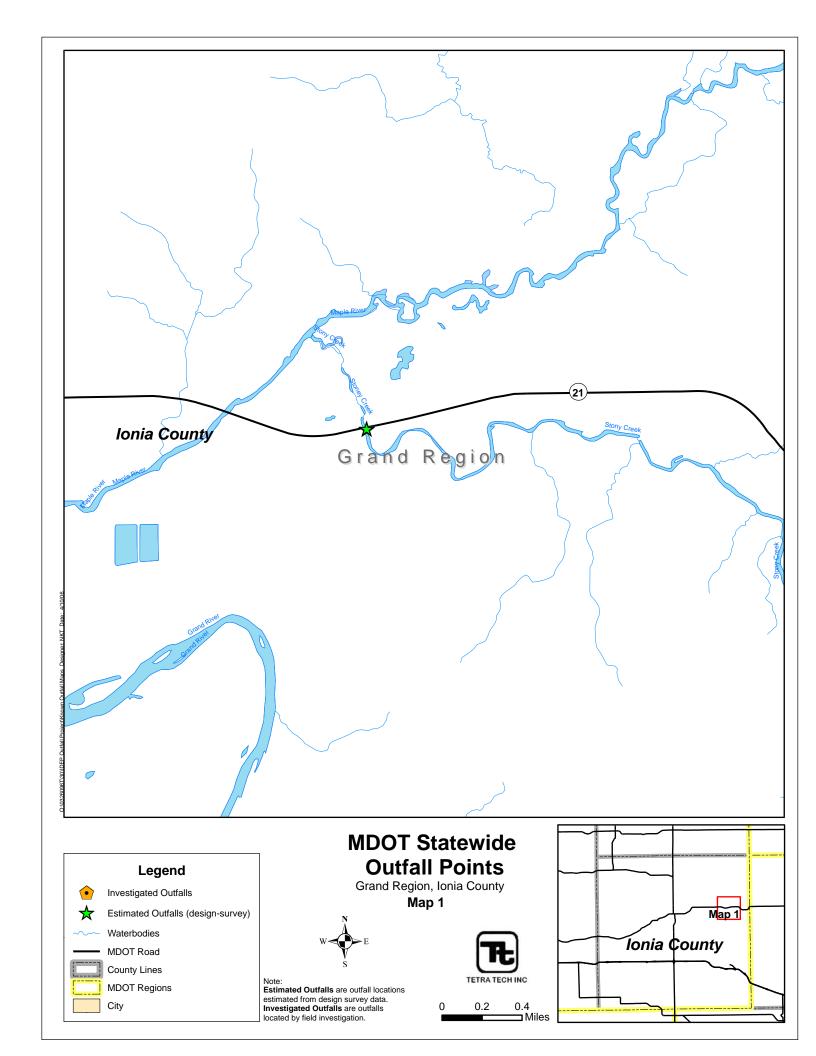
Interstate Routes (Business Loops)

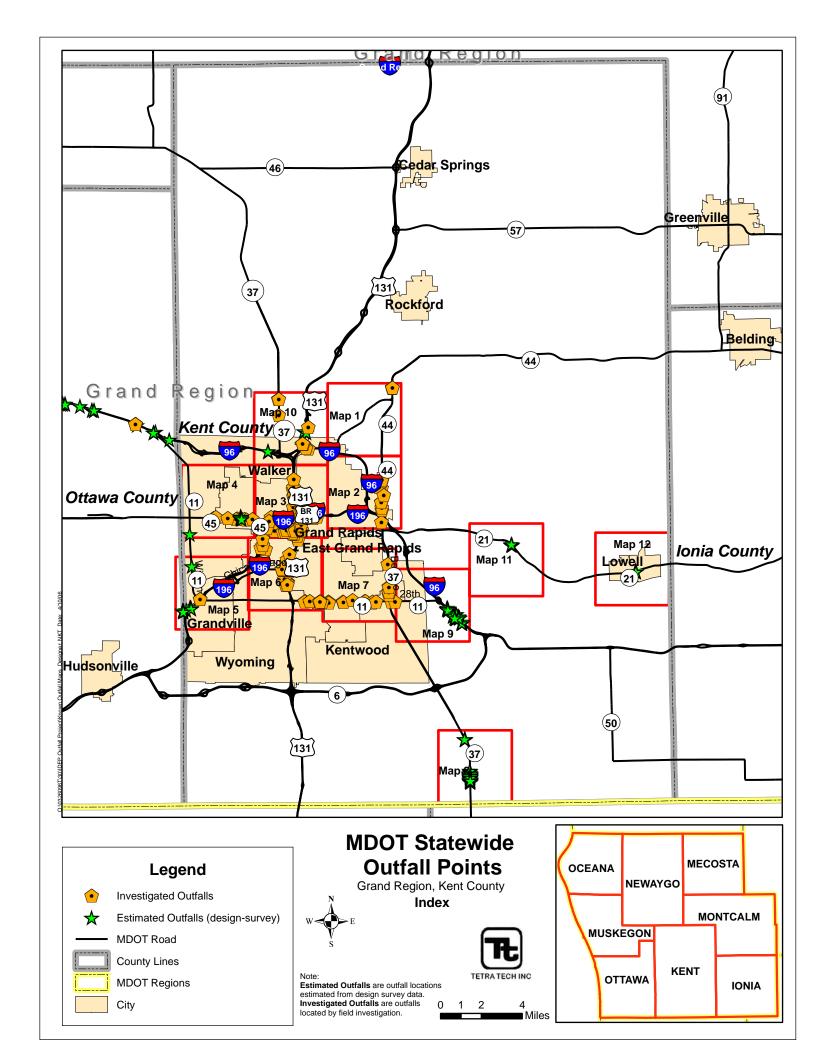


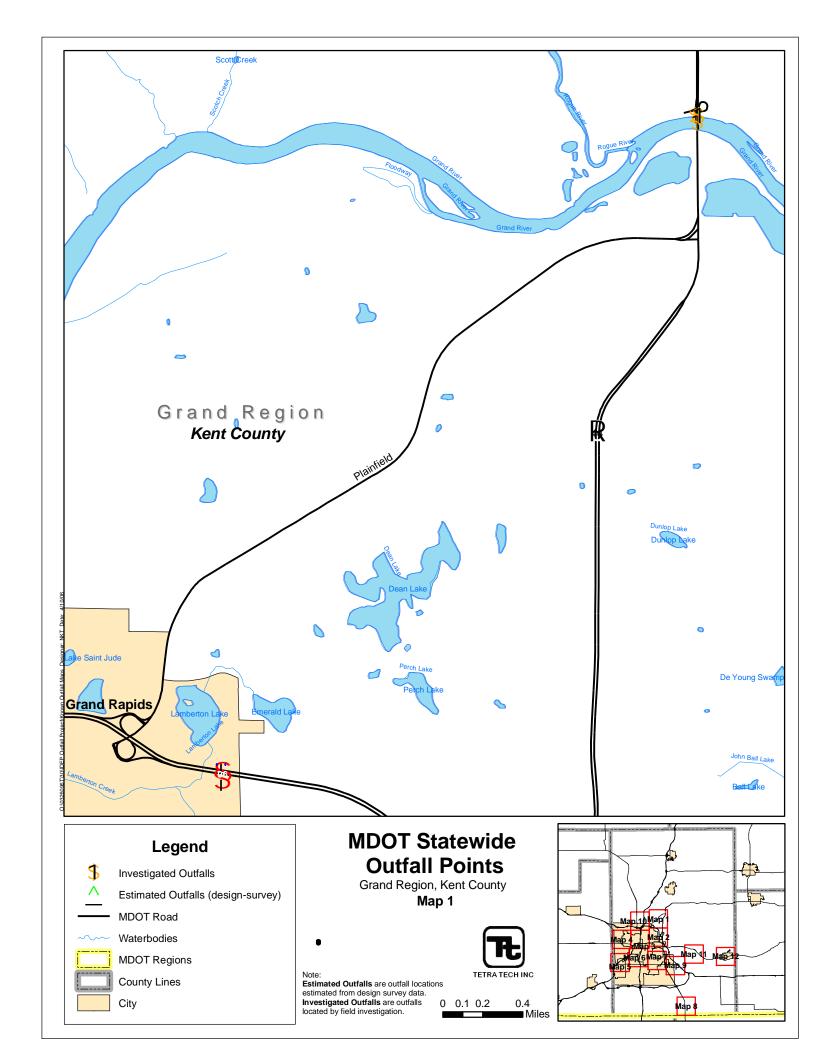
State Roads

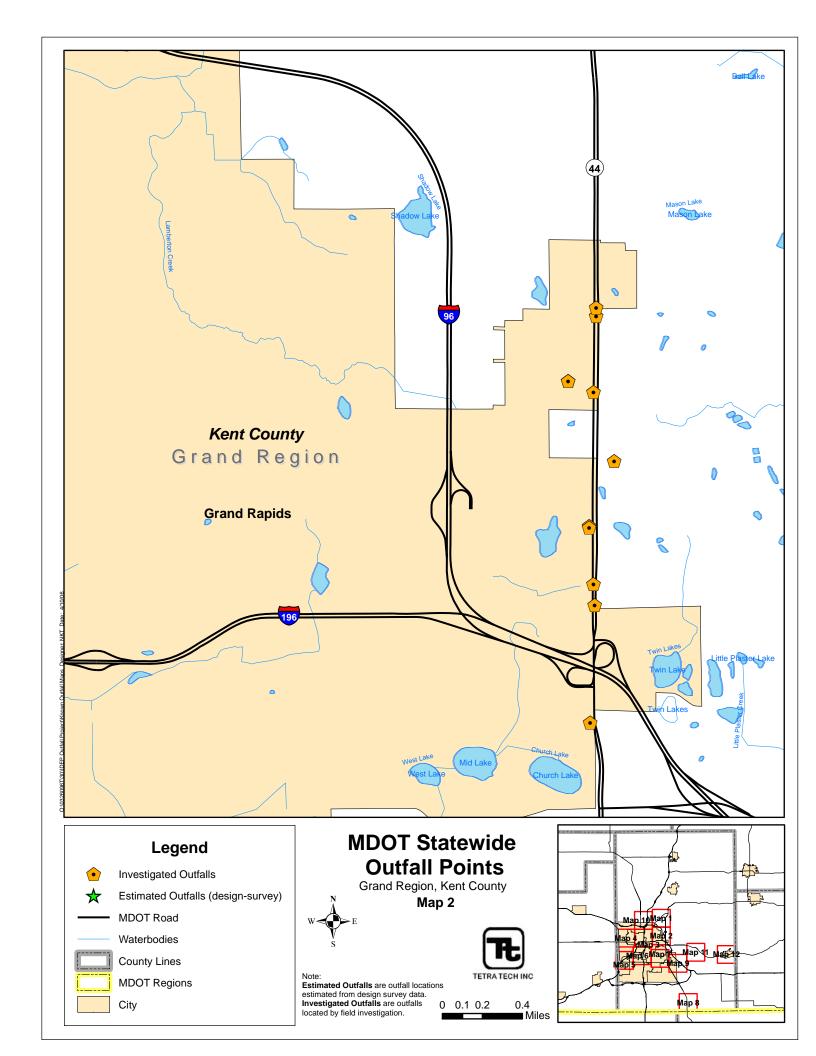


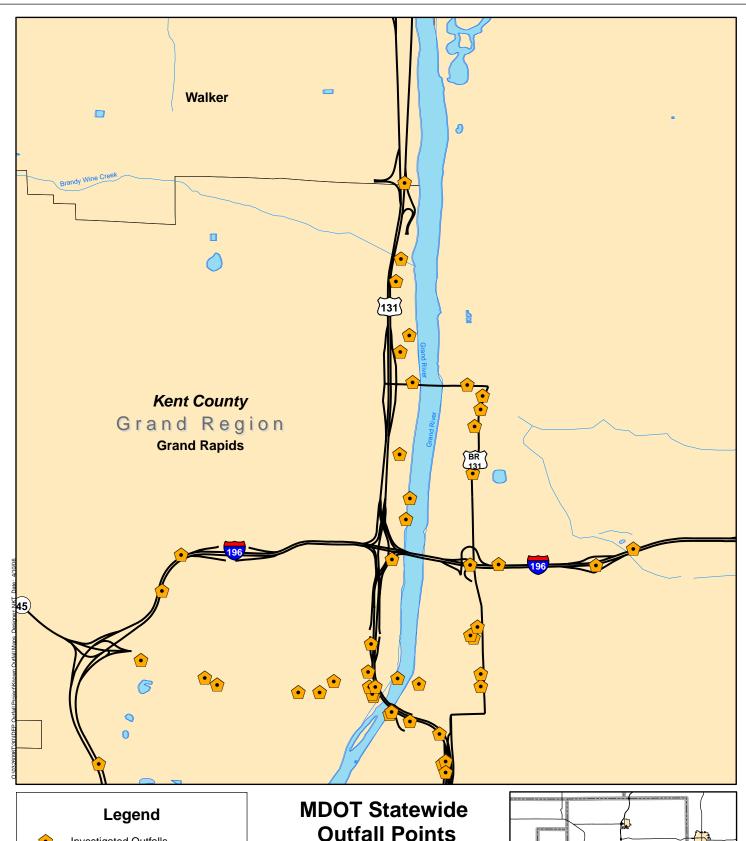


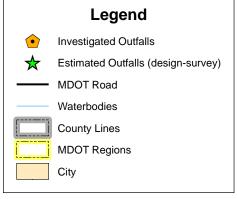






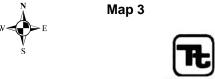






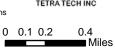
Outfall Points

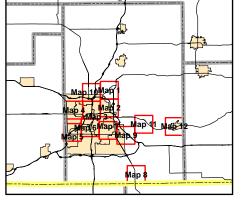
Grand Region, Kent County

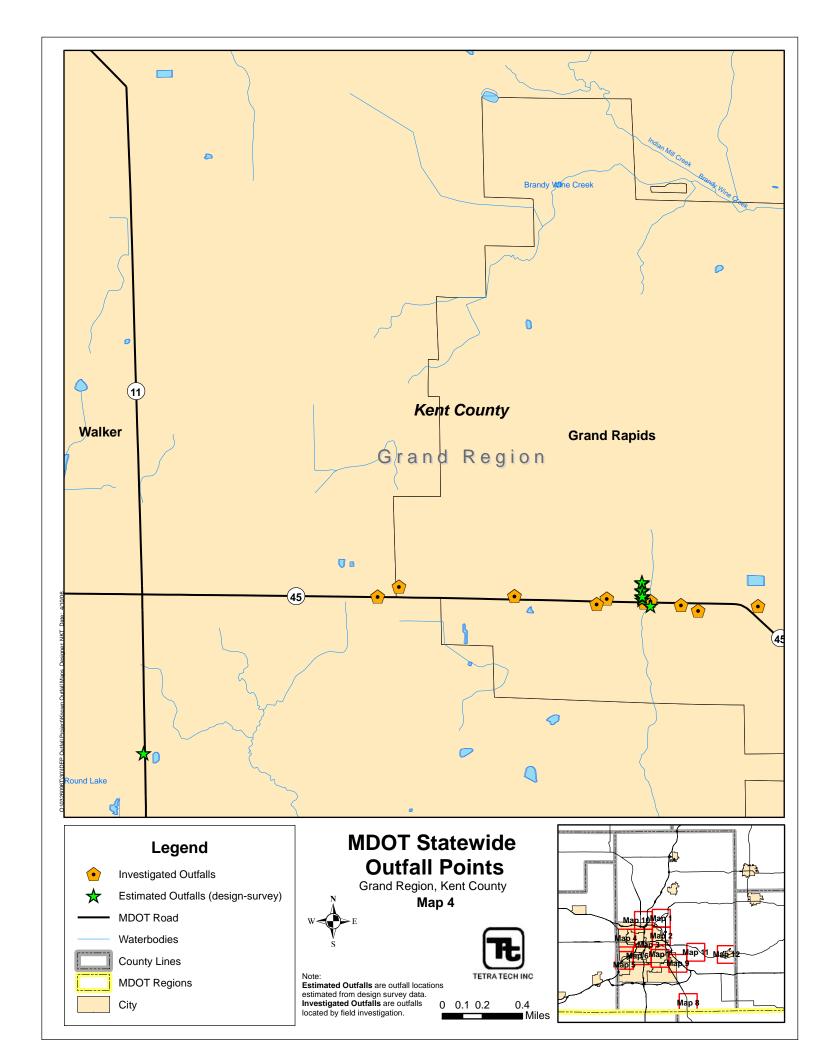


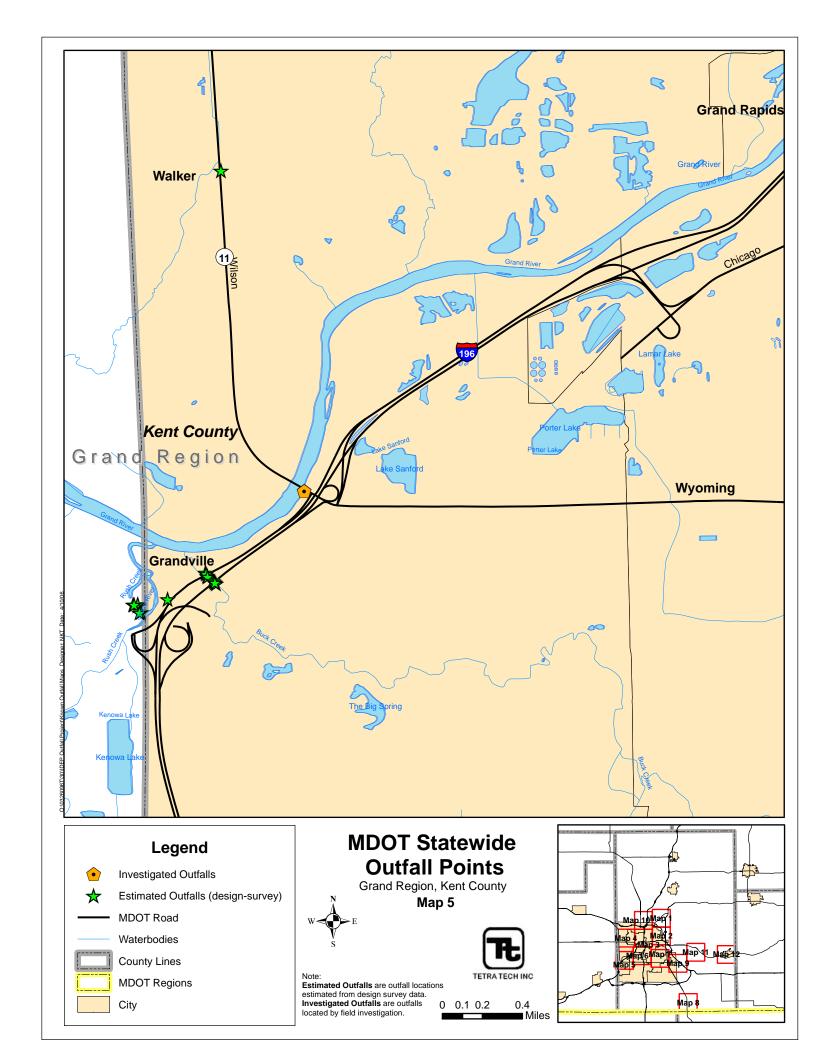
Note: **Estimated Outfalls** are outfall locations estimated from design survey data.

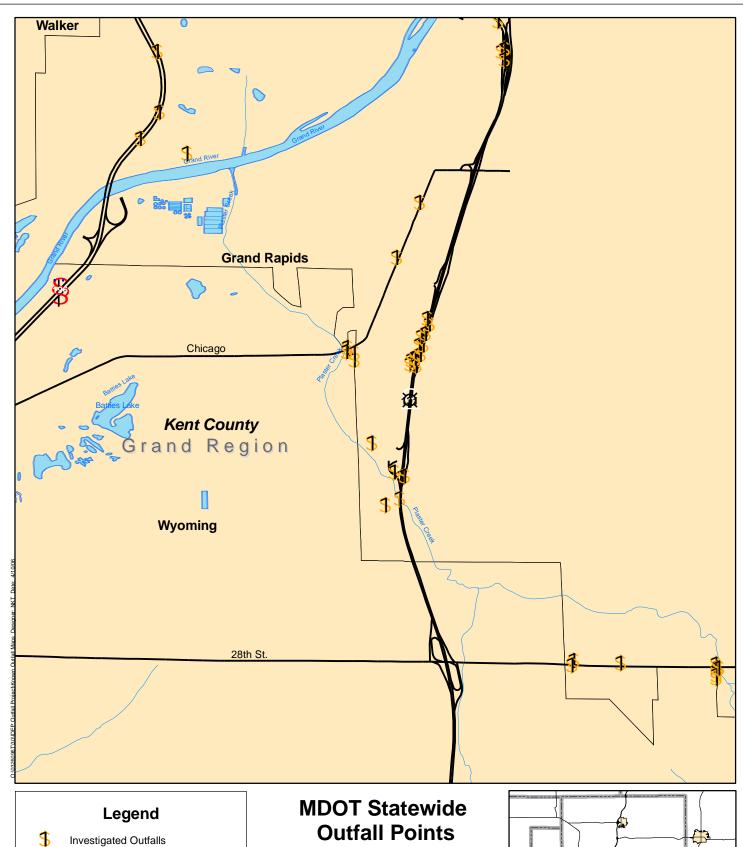
Investigated Outfalls are outfalls located by field investigation.











Estimated Outfalls (design-survey)

MDOT Road

Waterbodies



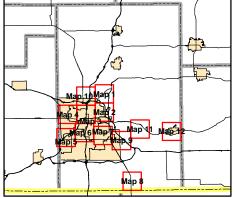
City

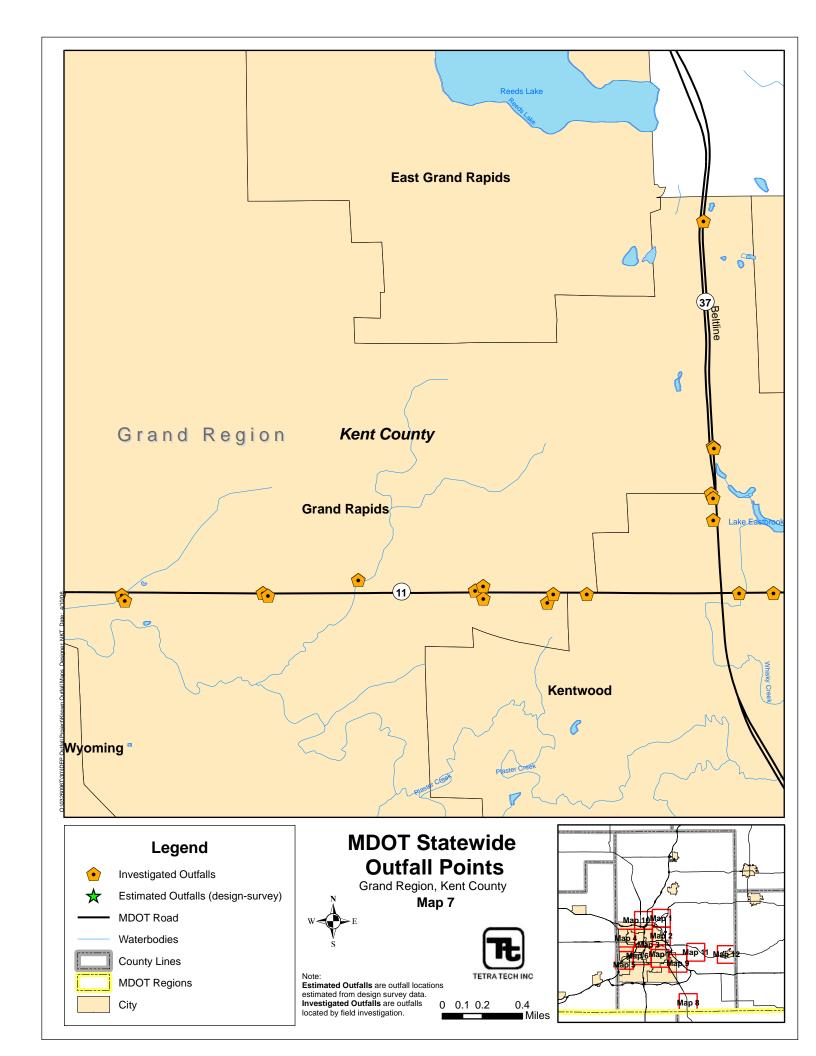
Grand Region, Kent County **Map 6**

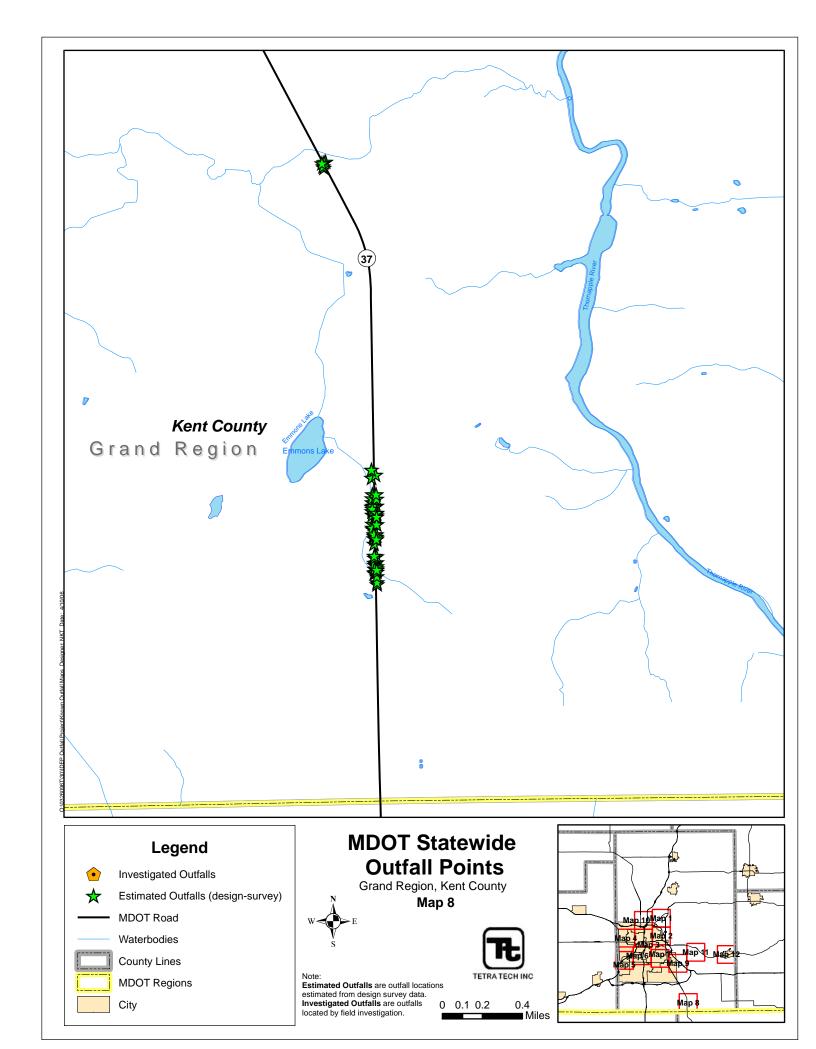
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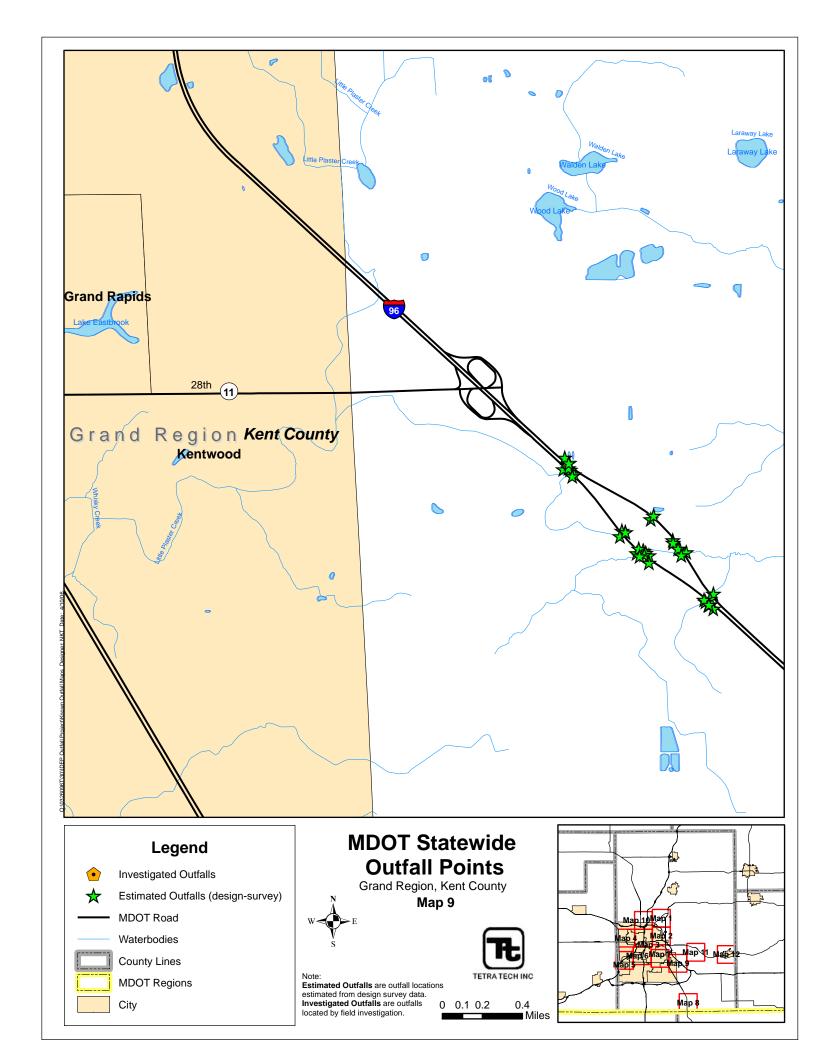


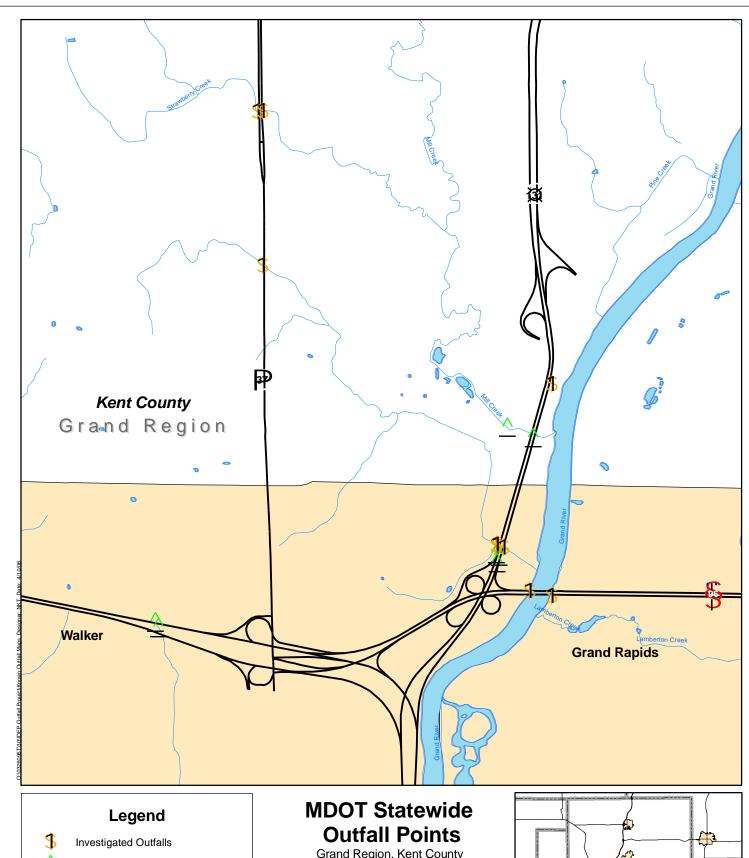
Note: TETRA TECH INC
Estimated Outfalls are outfall locations
estimated from design survey data.
Investigated Outfalls are outfalls
located by field investigation.

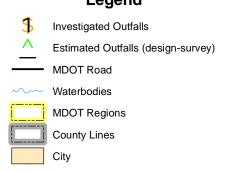








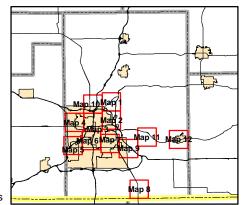


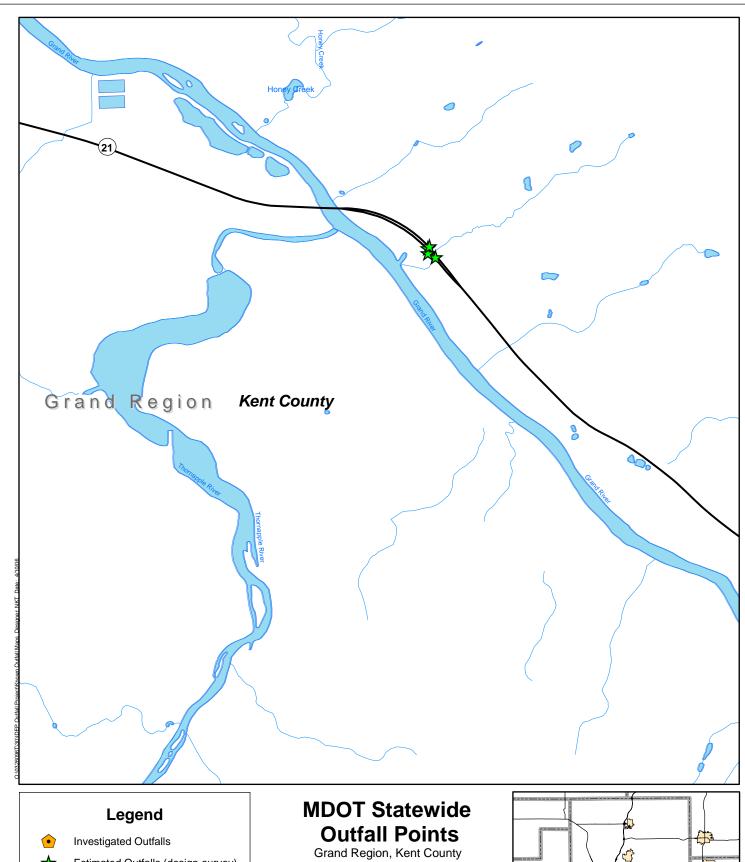


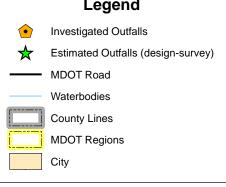
Grand Region, Kent County Map 10



Note:
Estimated Outfalls are outfall locations estimated from design survey data.
Investigated Outfalls are outfalls located by field investigation. 0 0.1 0.2







Map 11

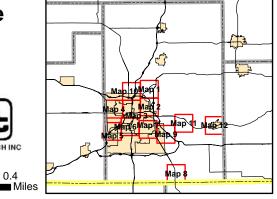


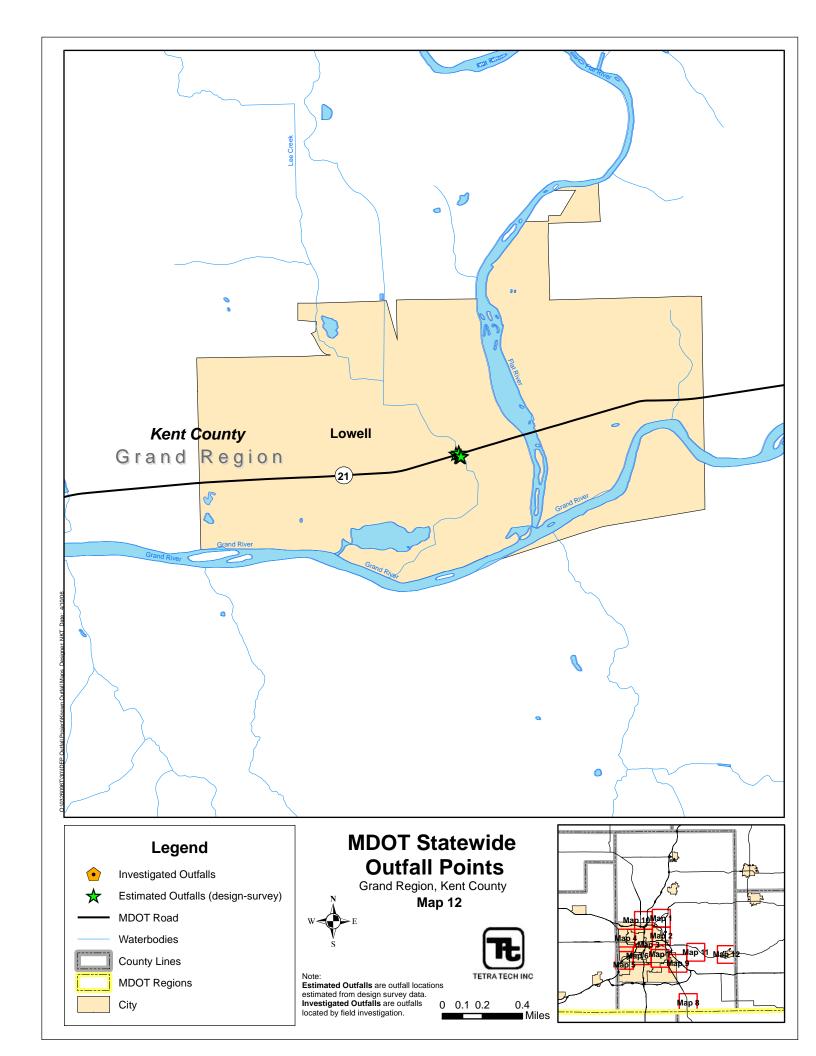
Note: **Estimated Outfalls** are outfall locations

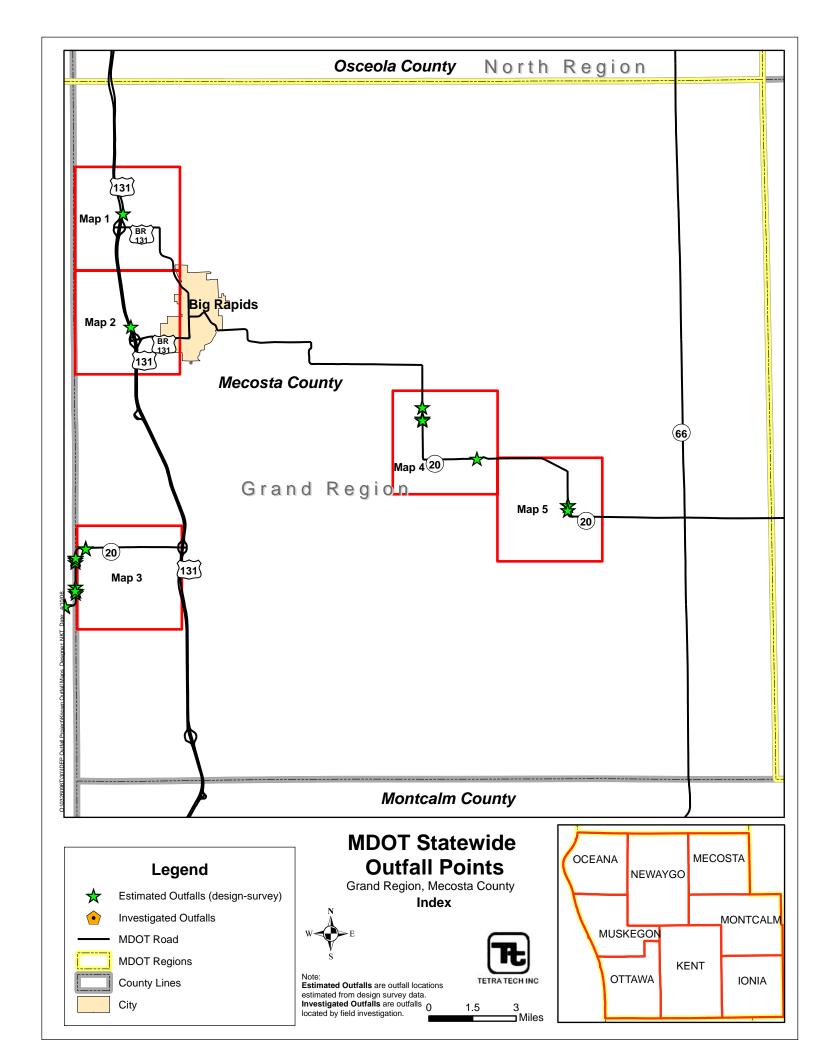
estimated from design survey data. **Investigated Outfalls** are outfalls located by field investigation.

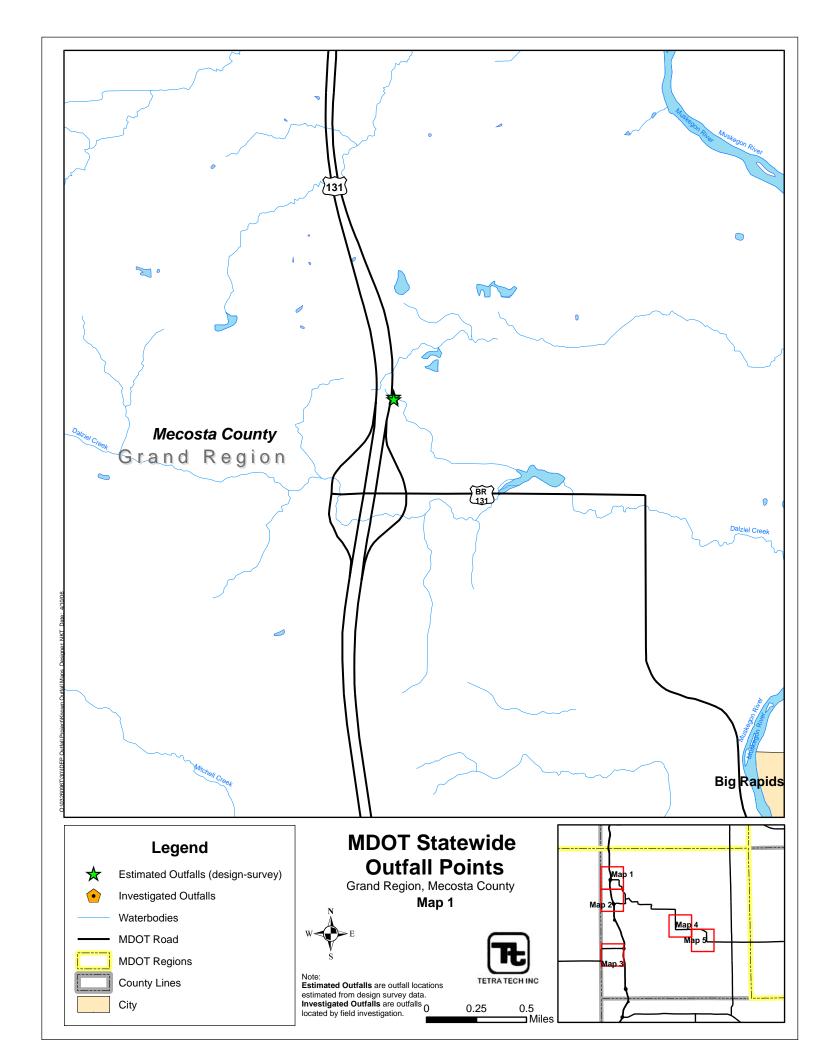


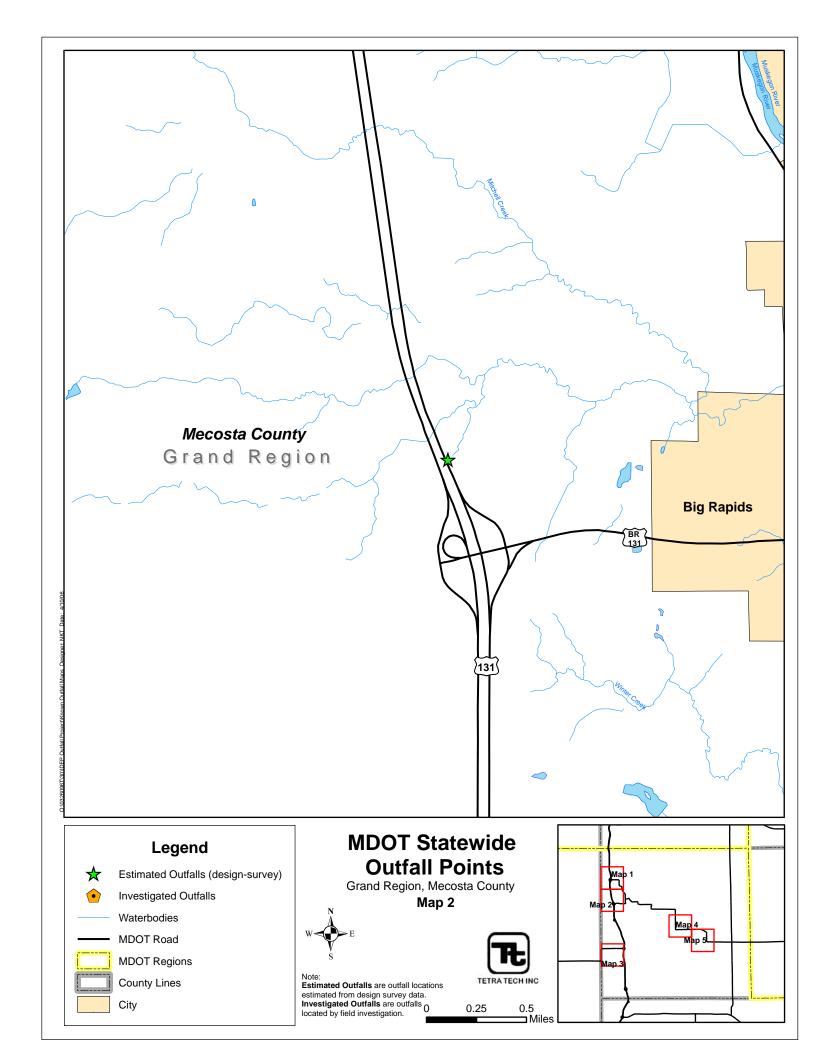
0 0.1 0.2

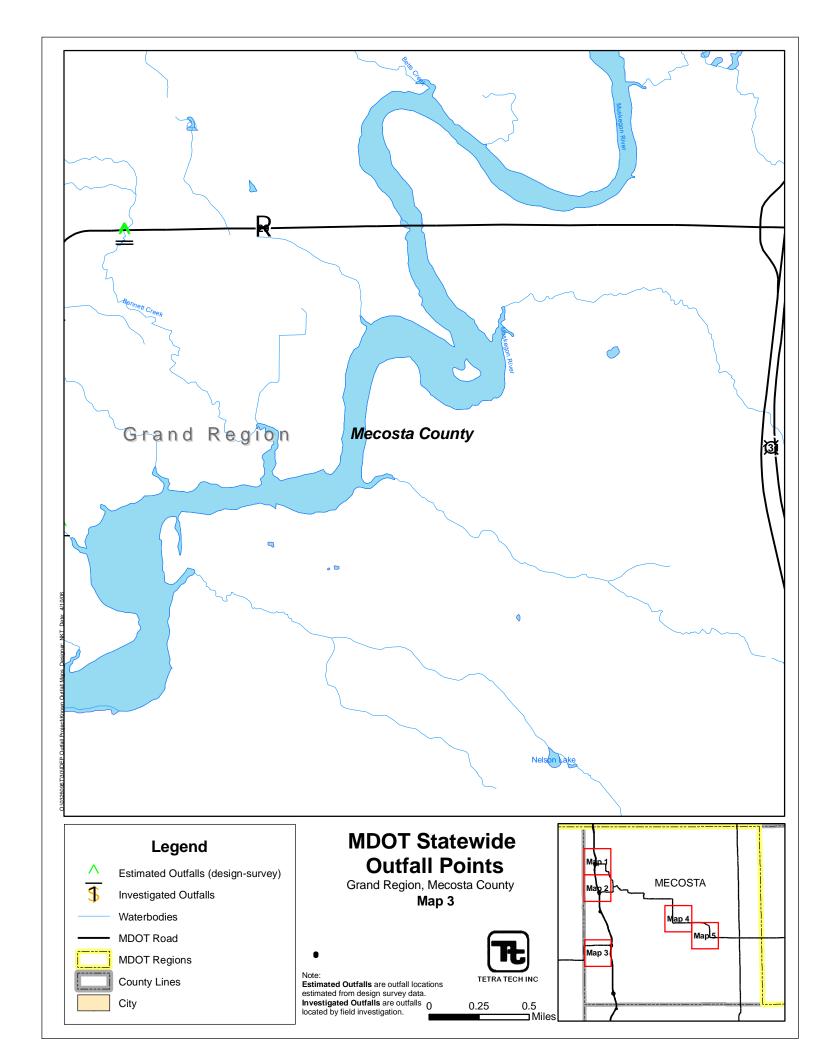


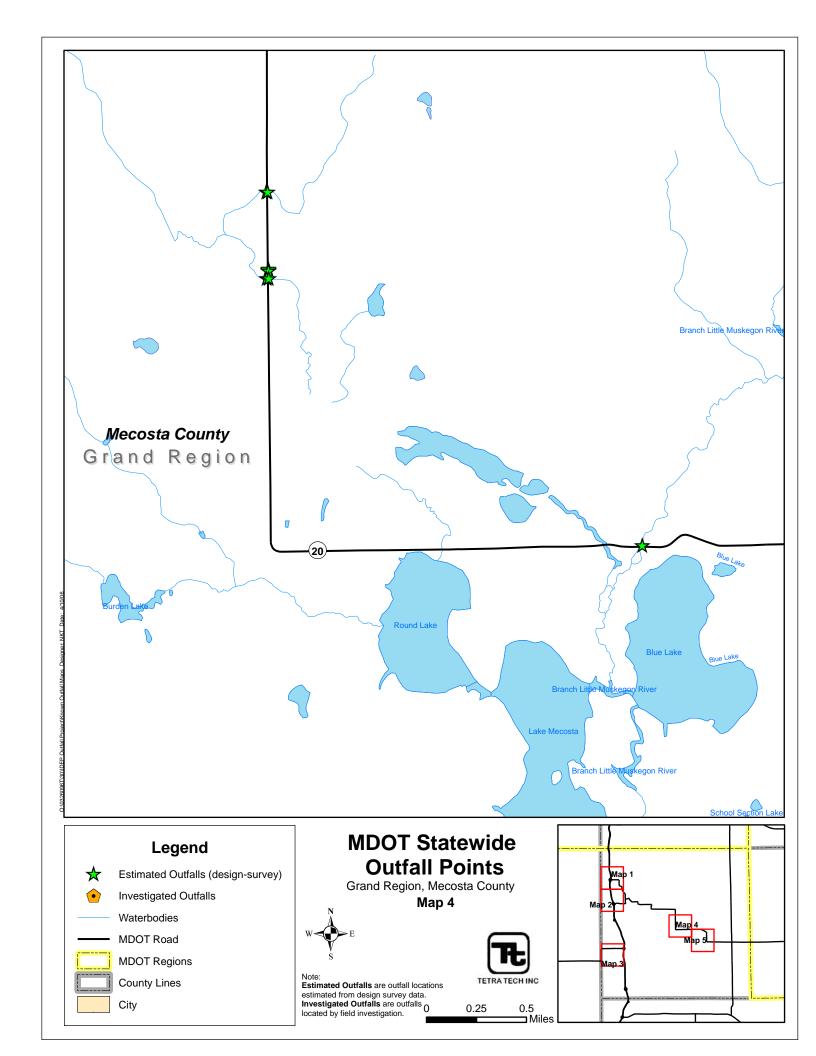


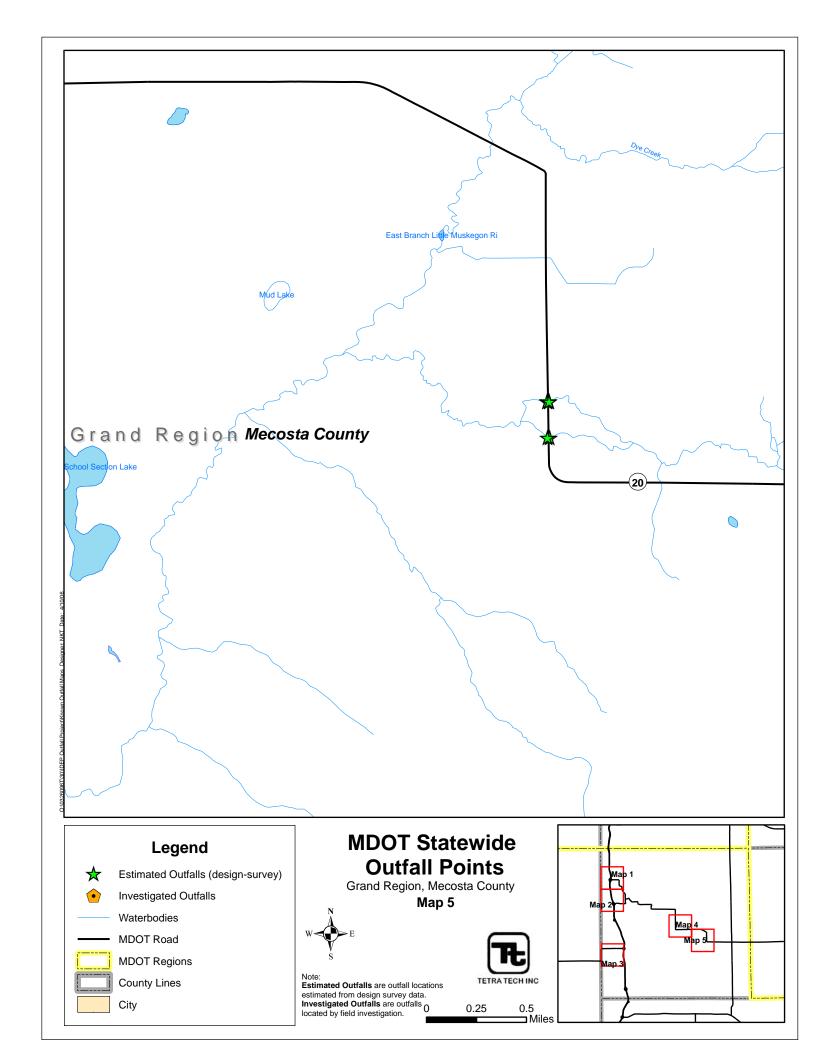


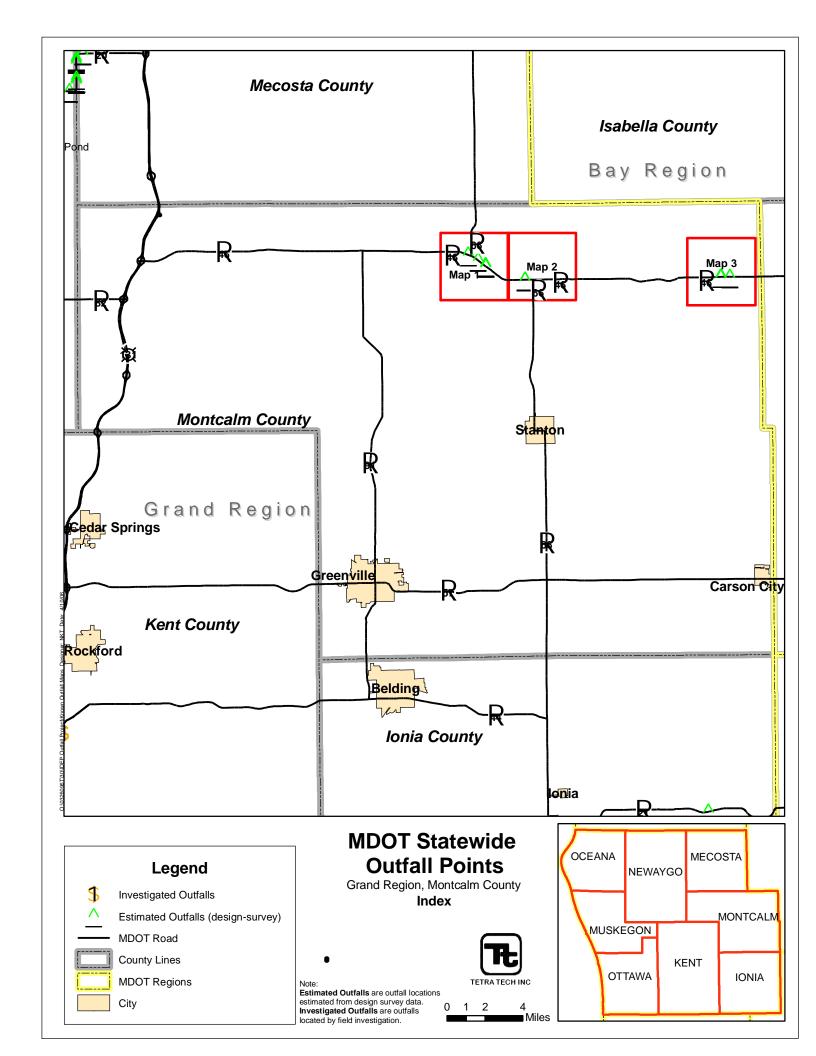


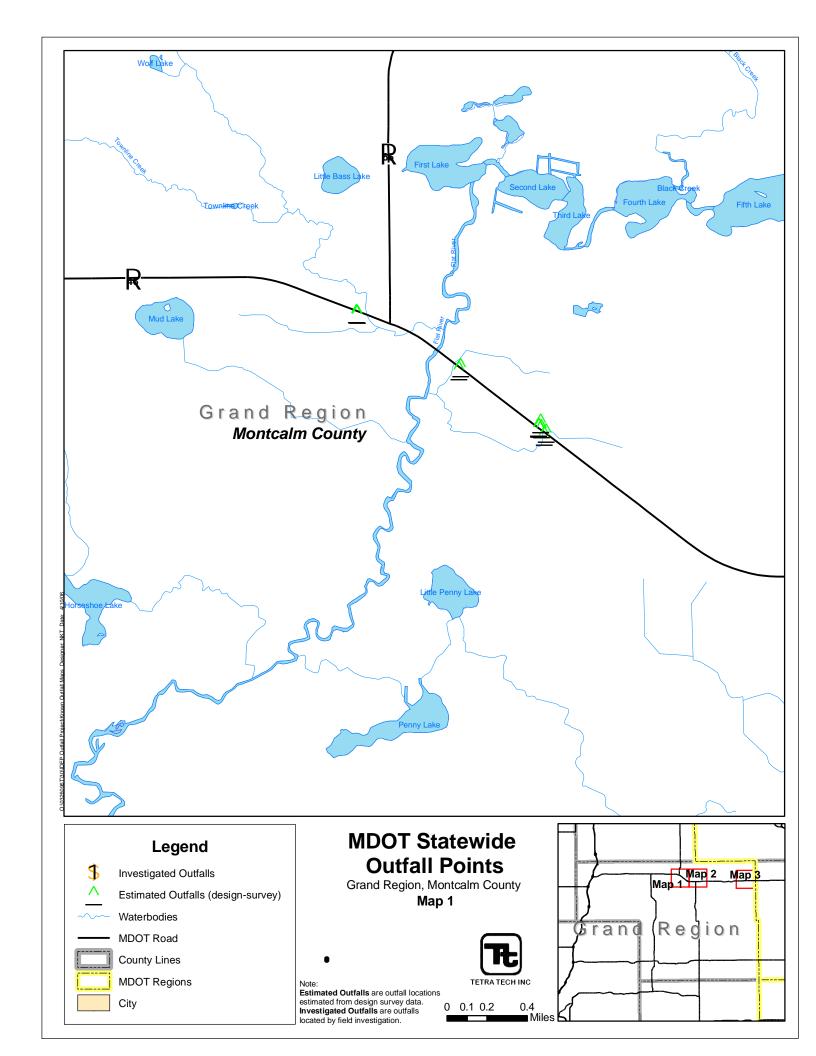


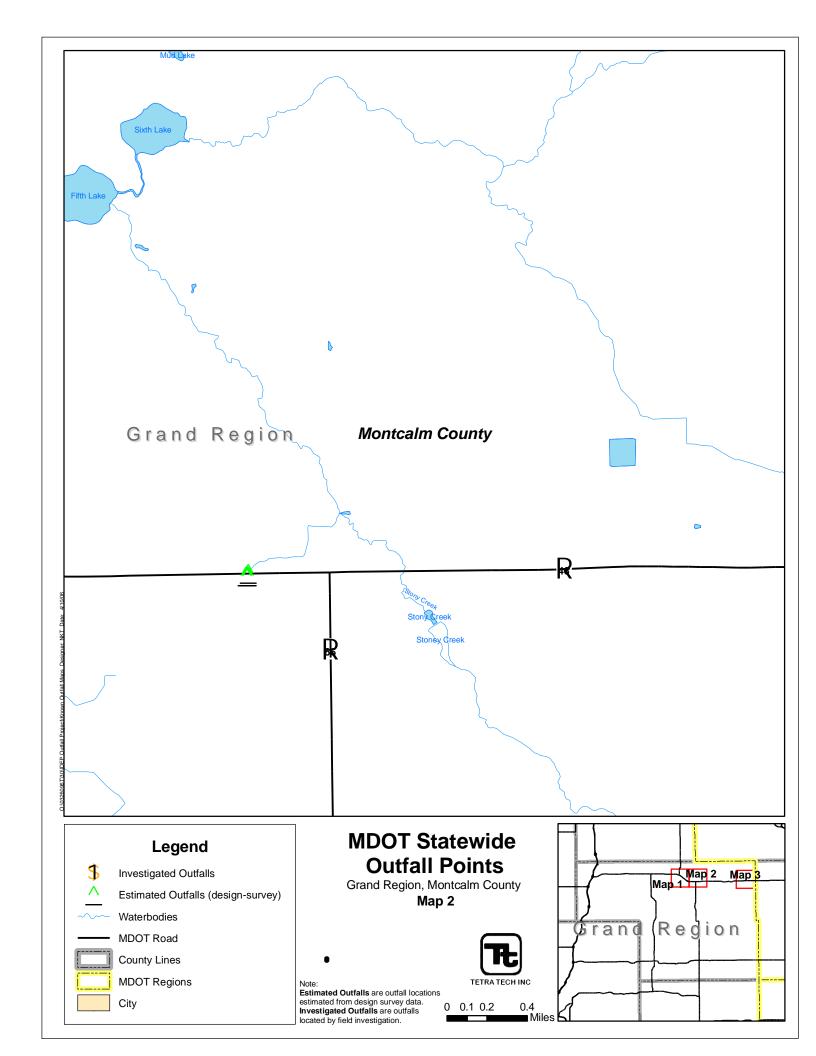


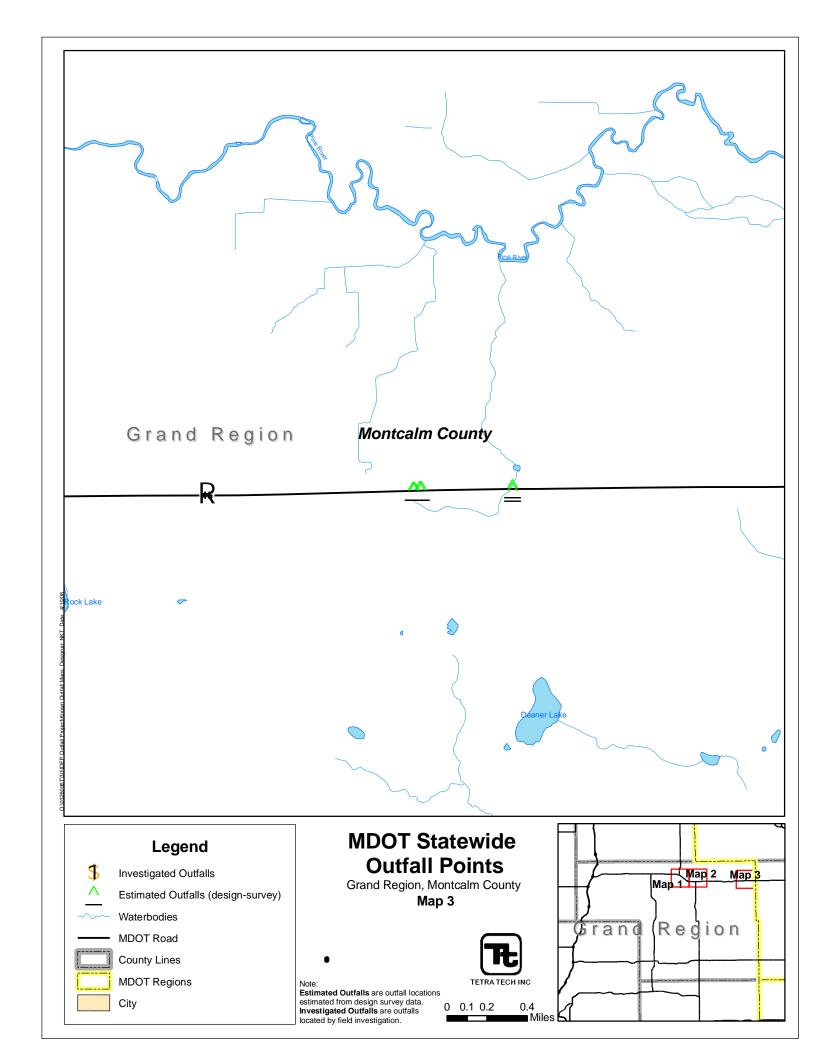


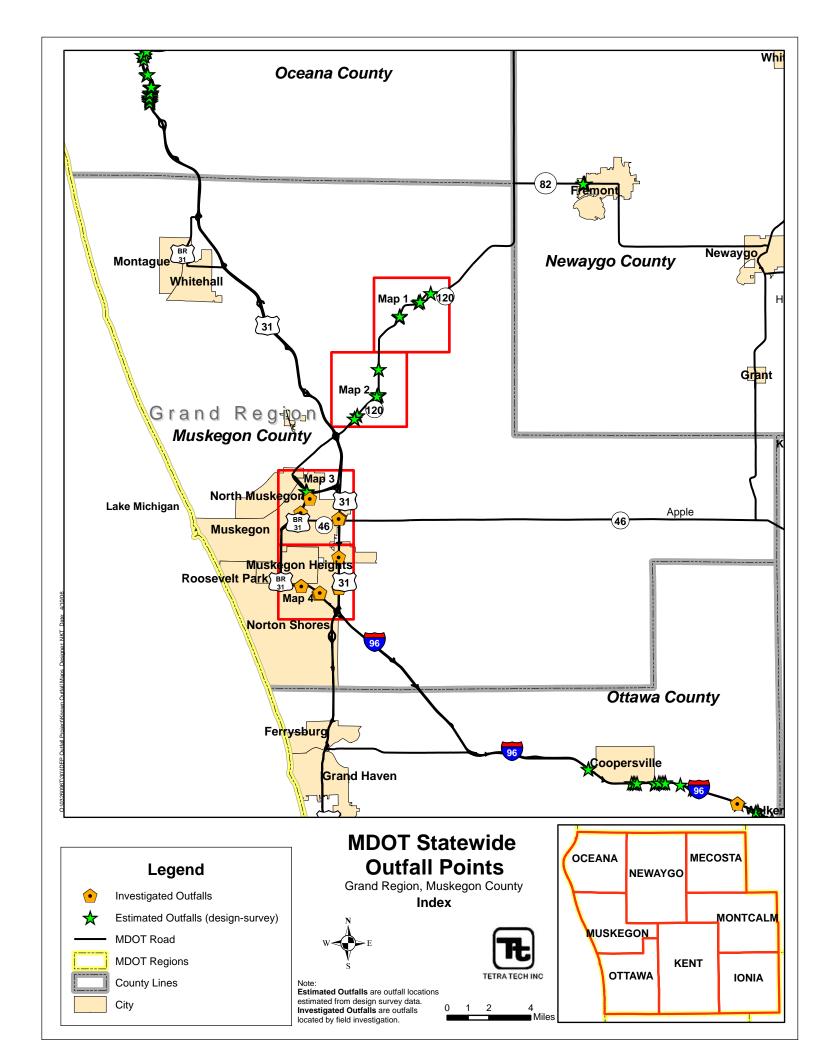


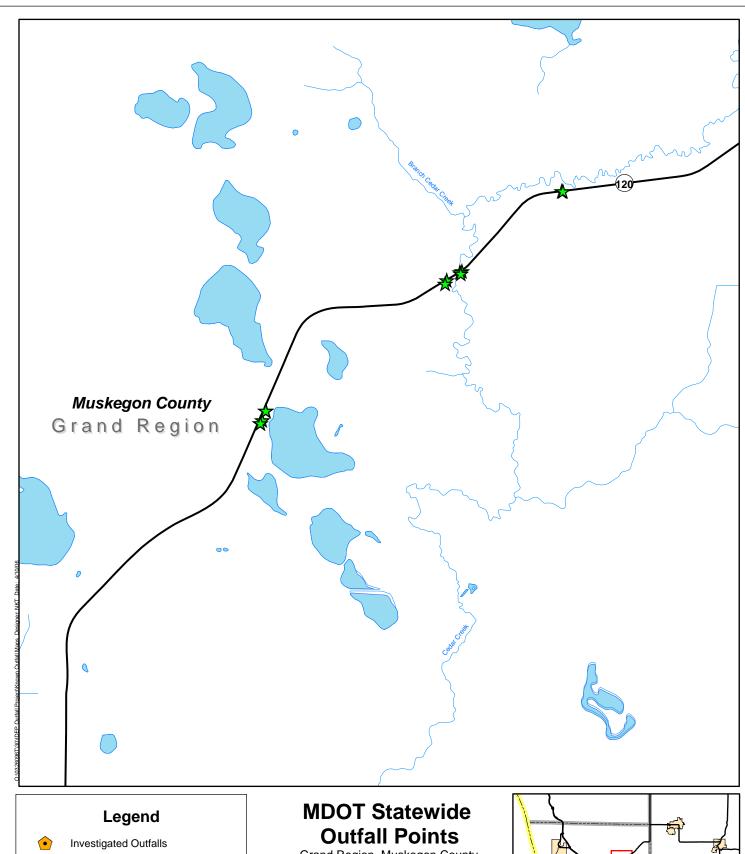


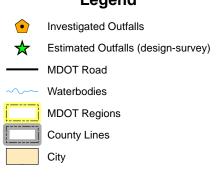












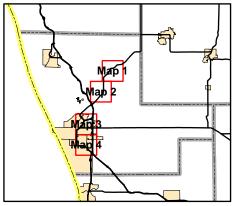
Grand Region, Muskegon County **Map 1**

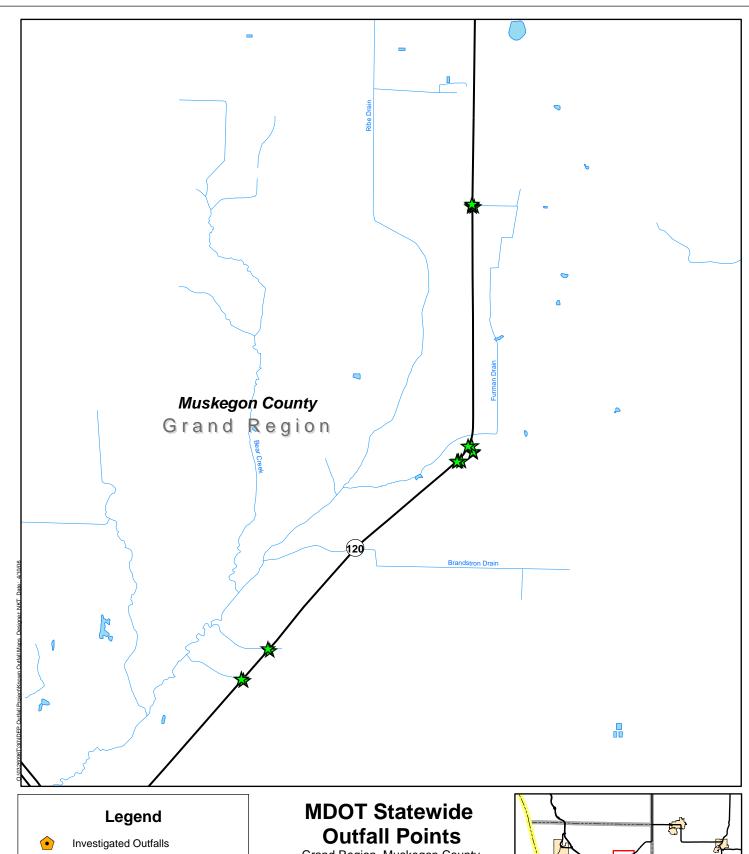


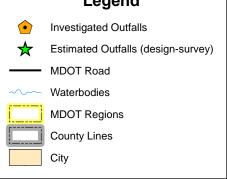
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0 0.1 0.2 0.4 Miles







Grand Region, Muskegon County

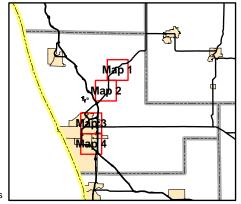
Map 2

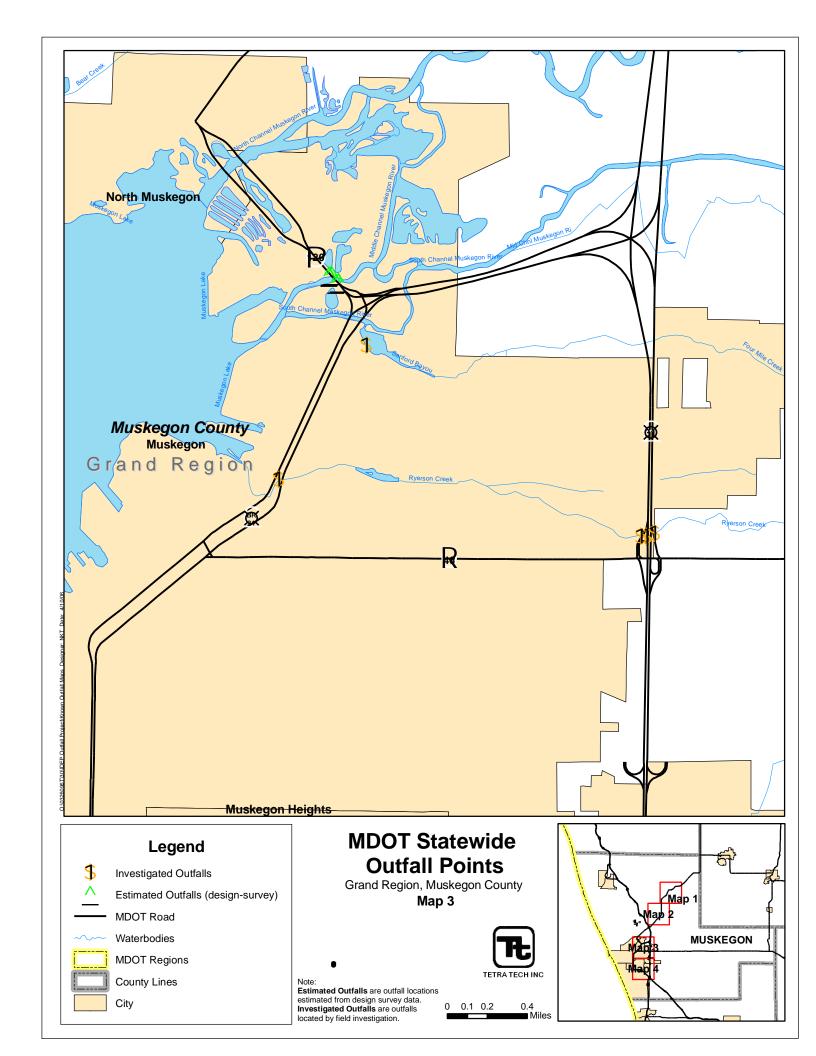


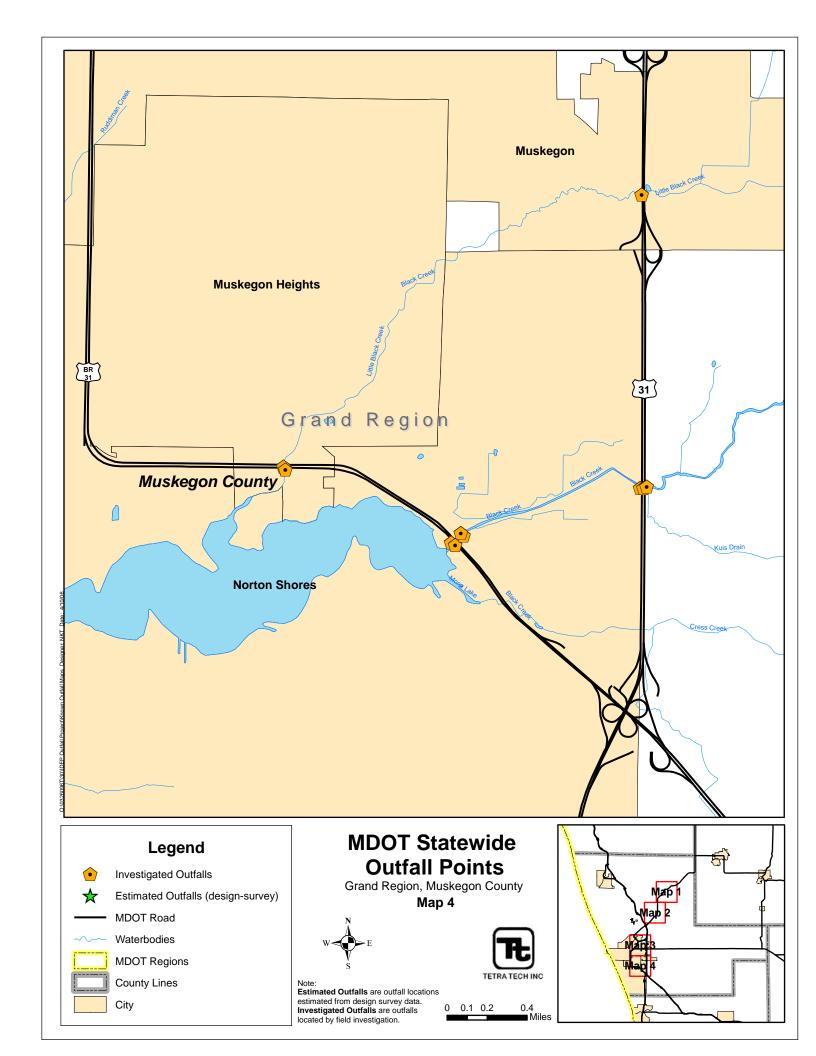
Note:
Estimated Outfalls are outfall locations estimated from design survey data.
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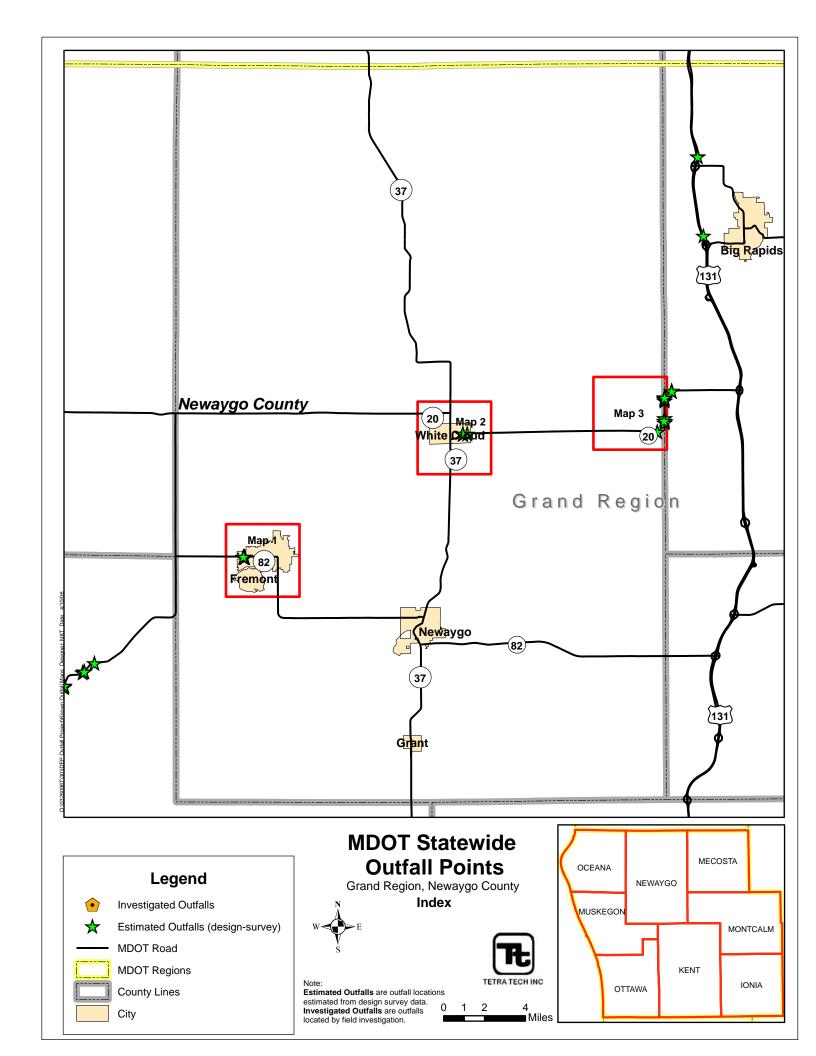


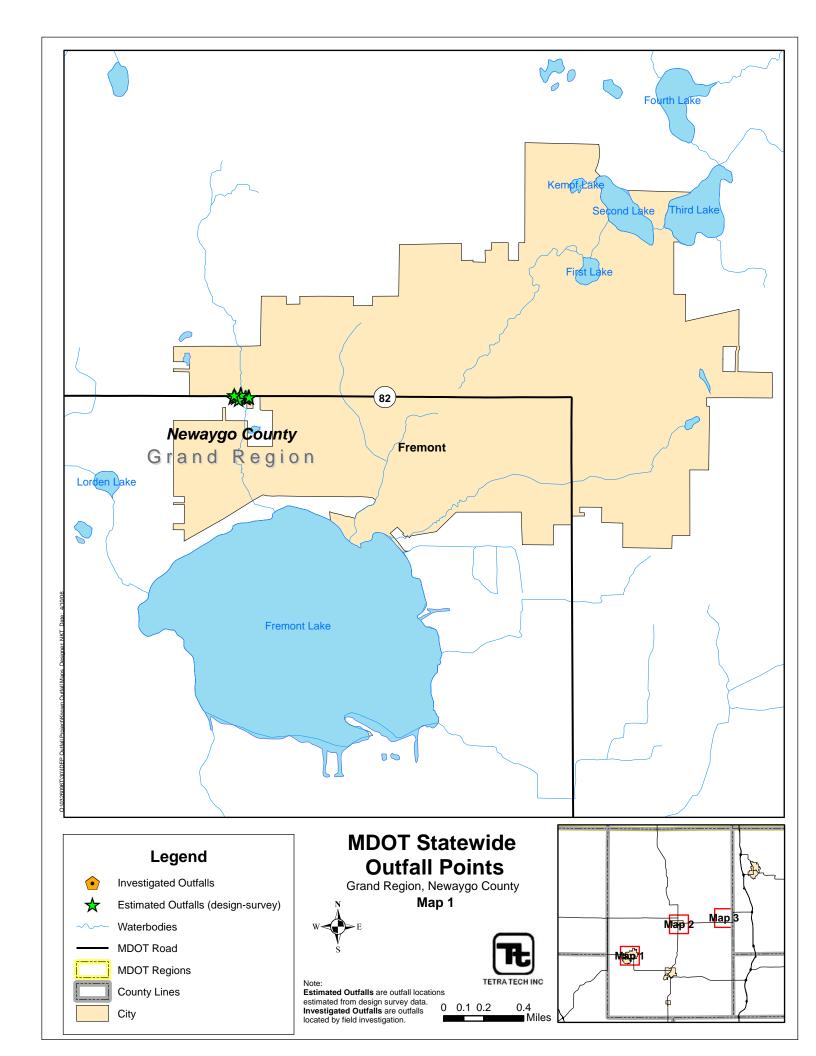


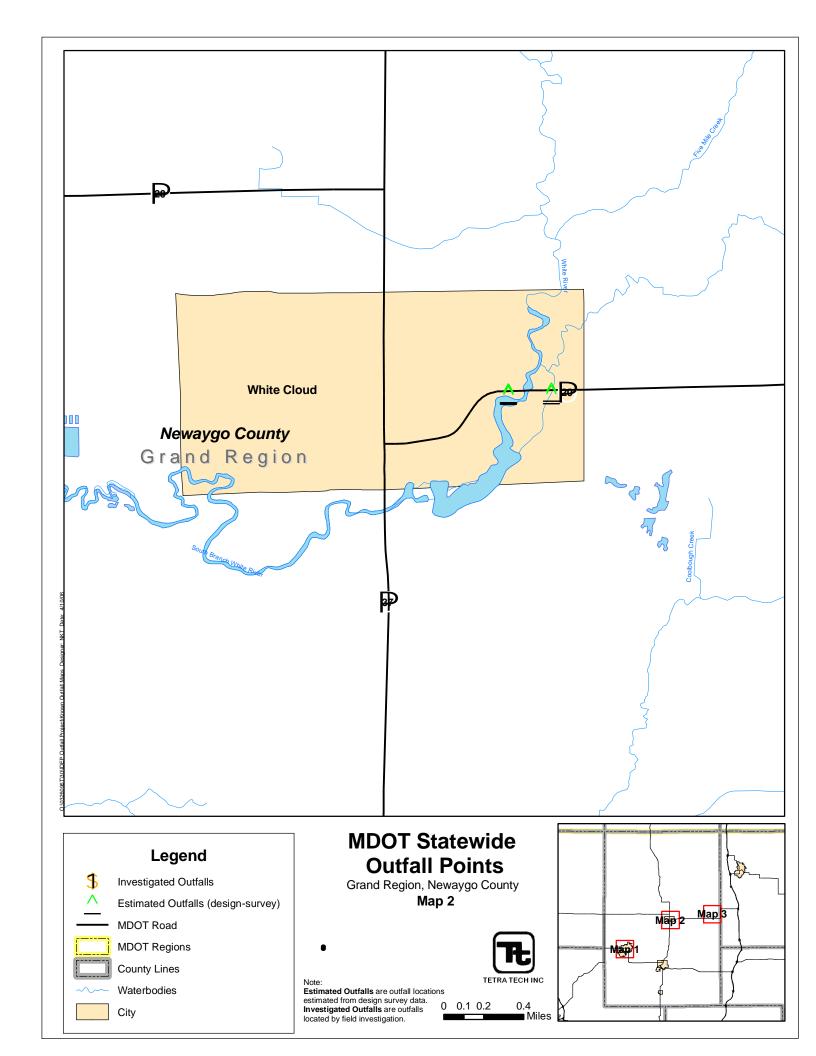


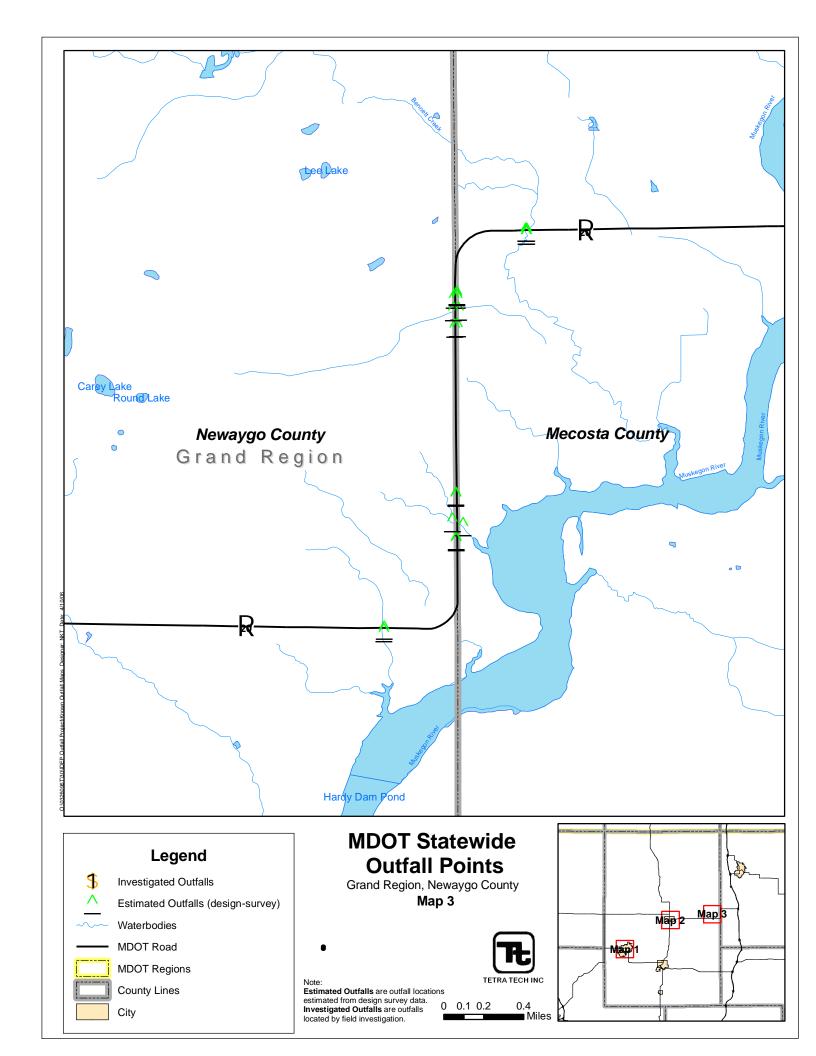


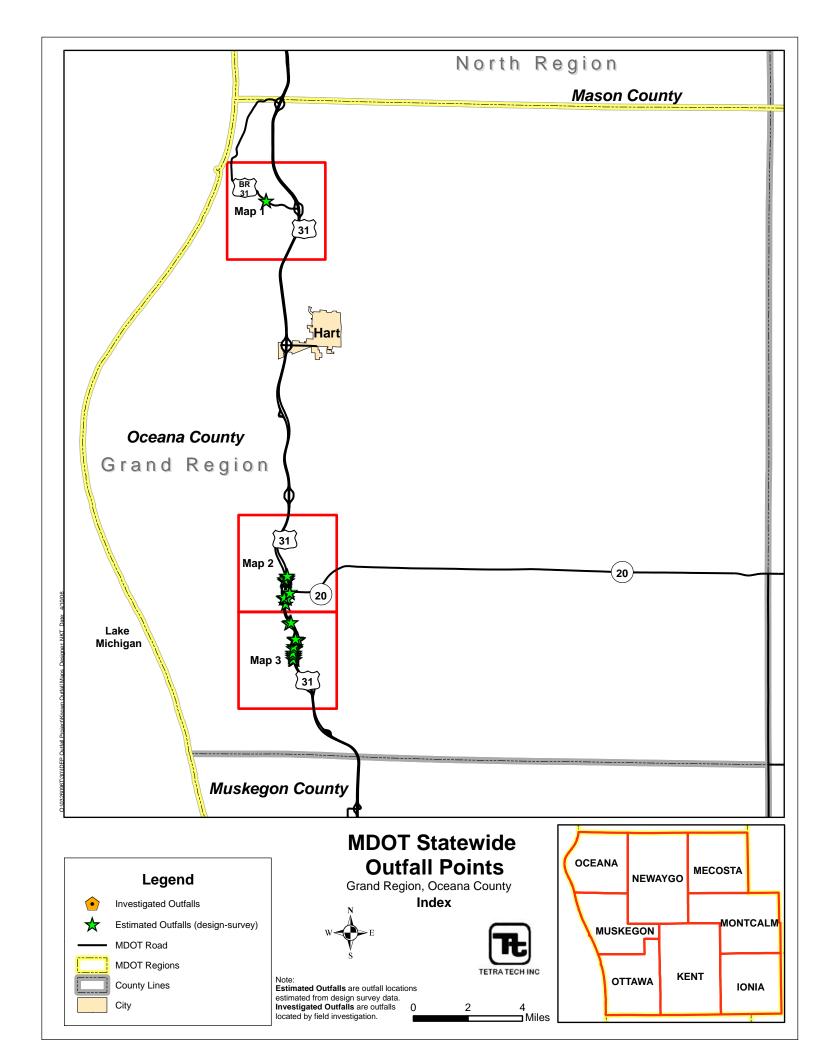


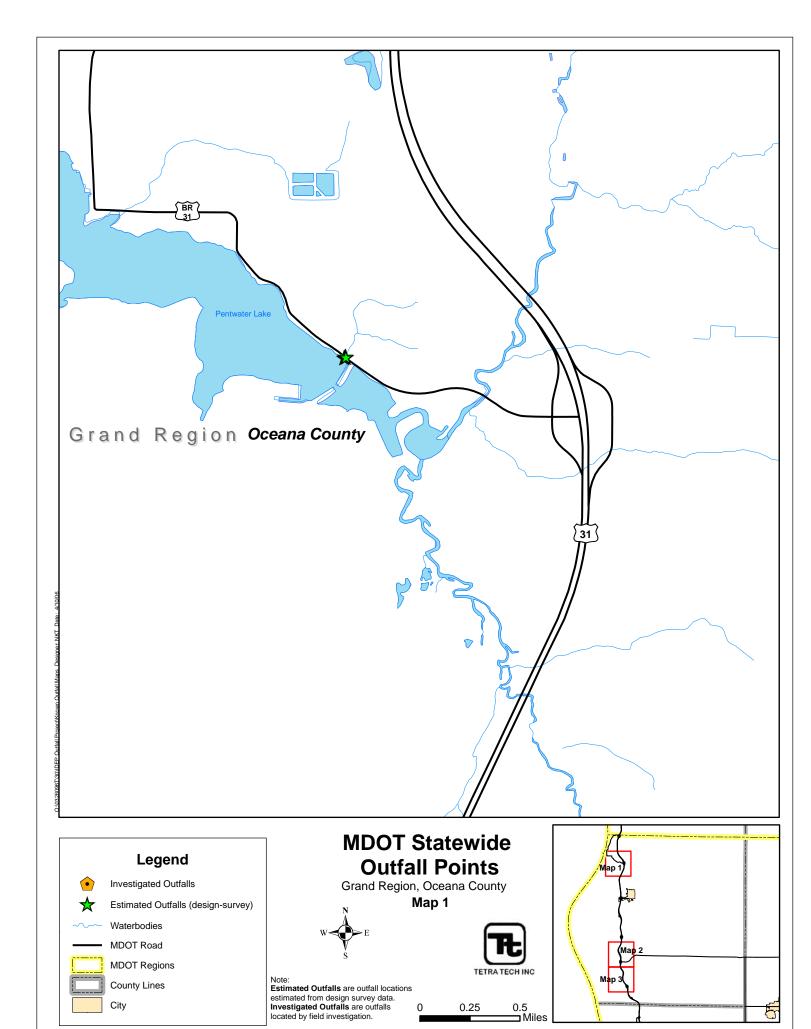


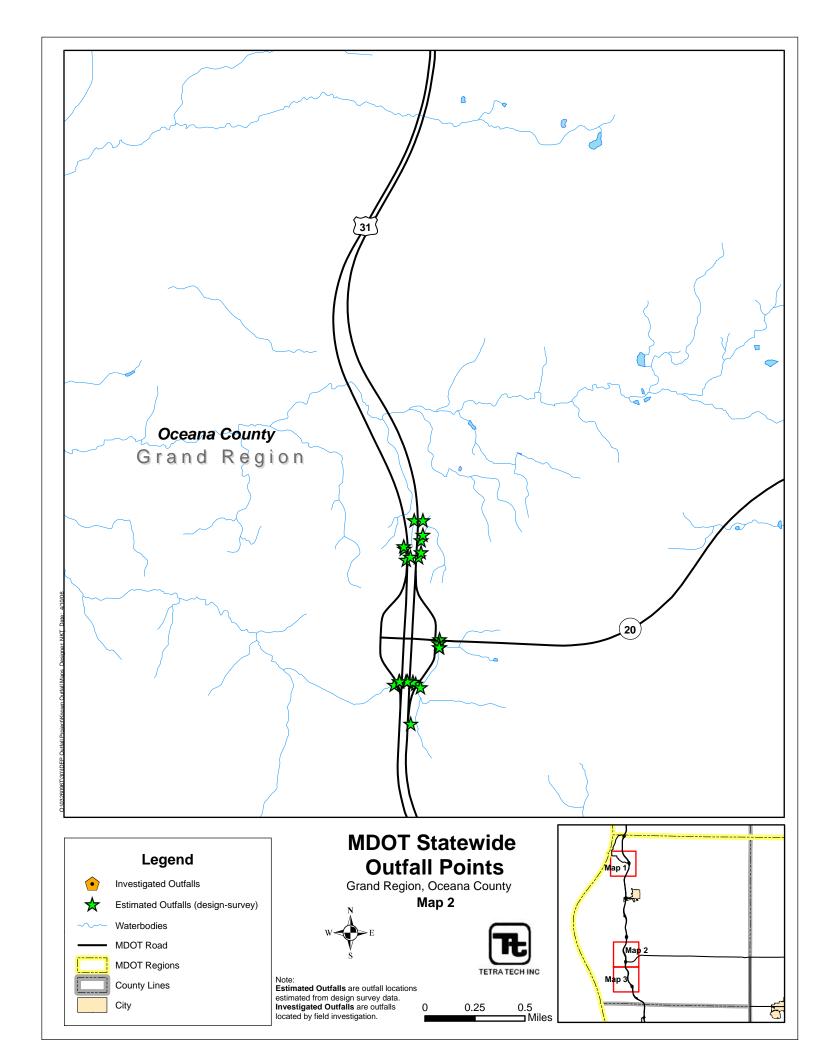


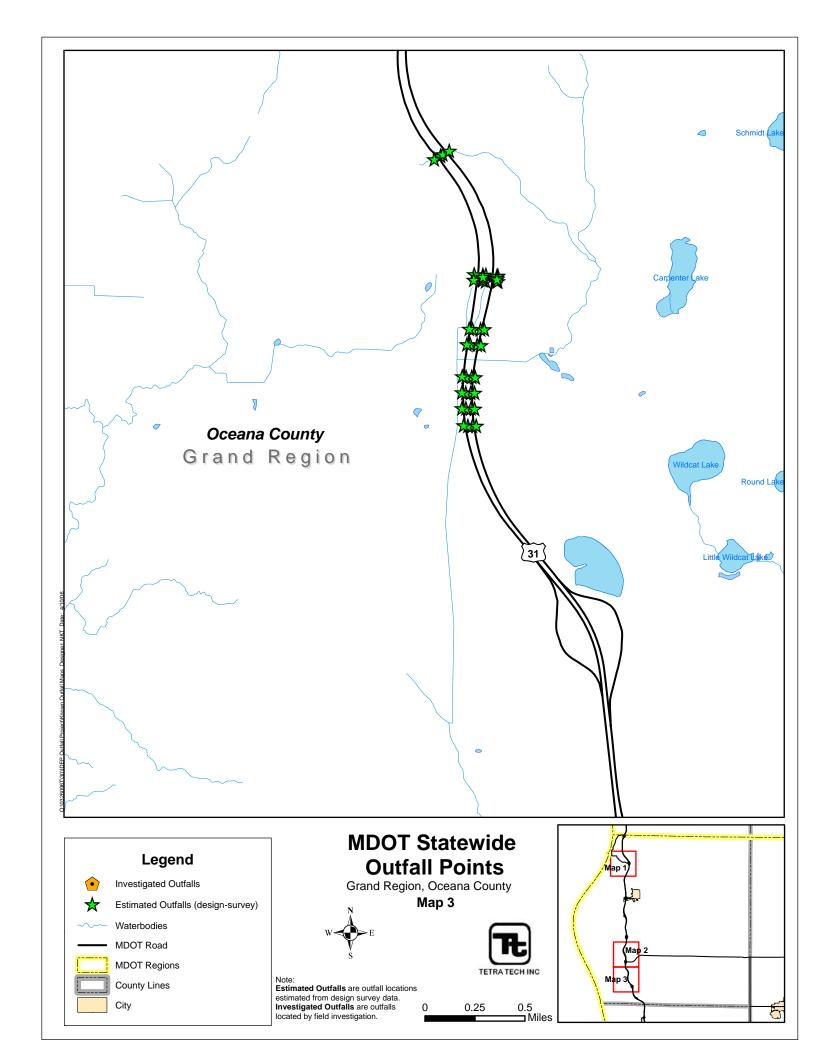


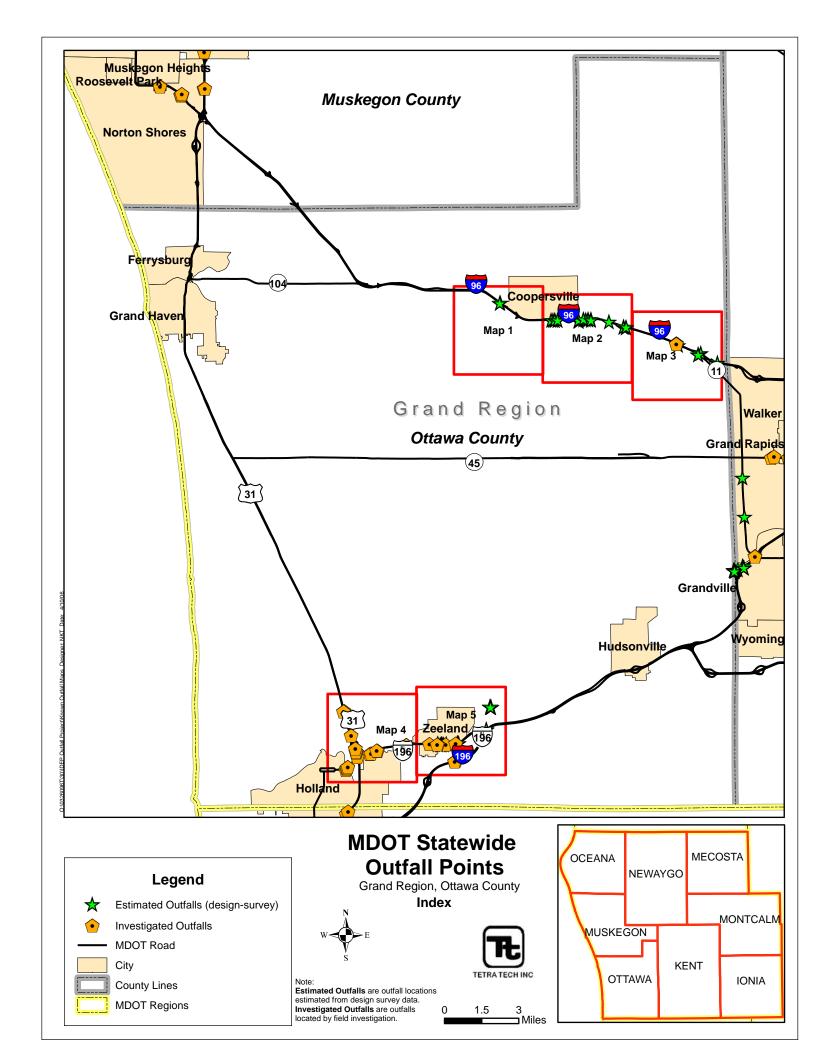


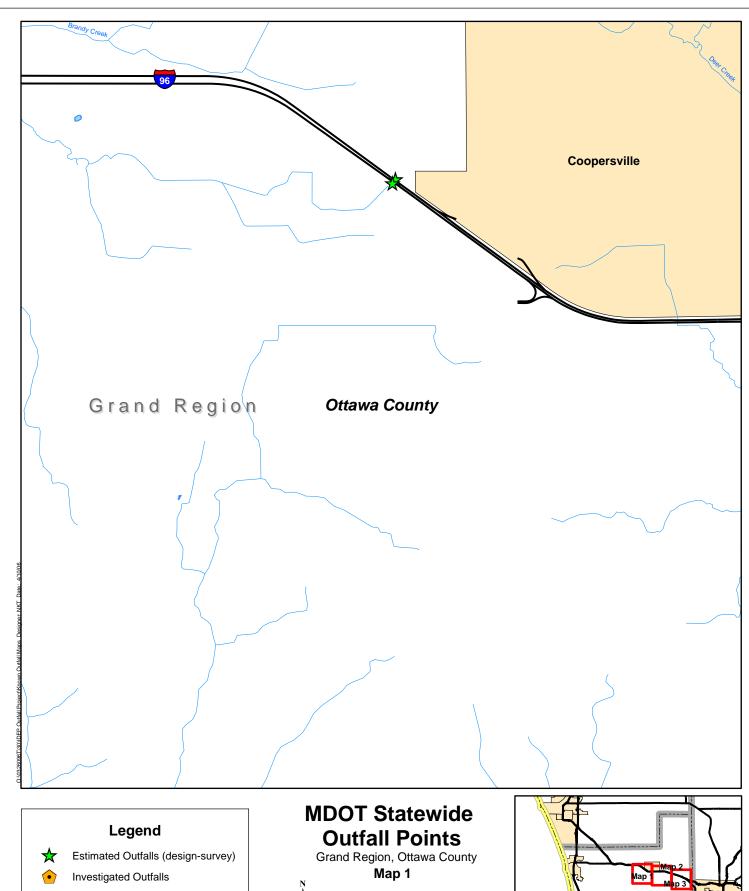


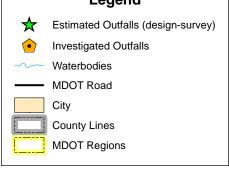






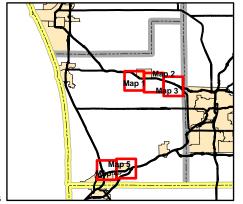


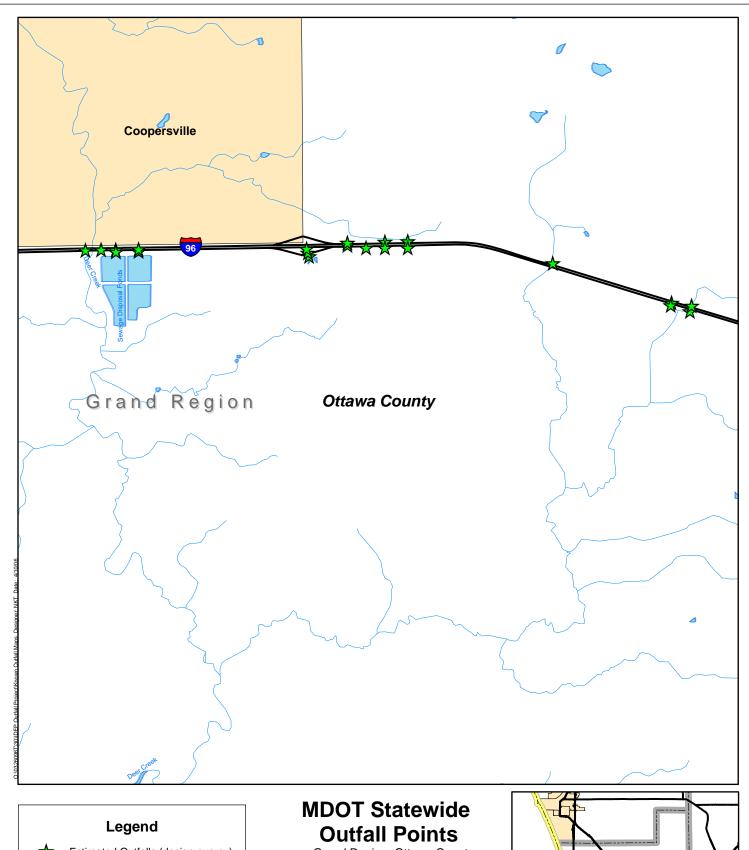


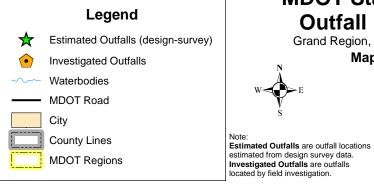








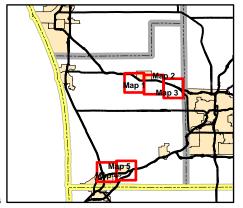


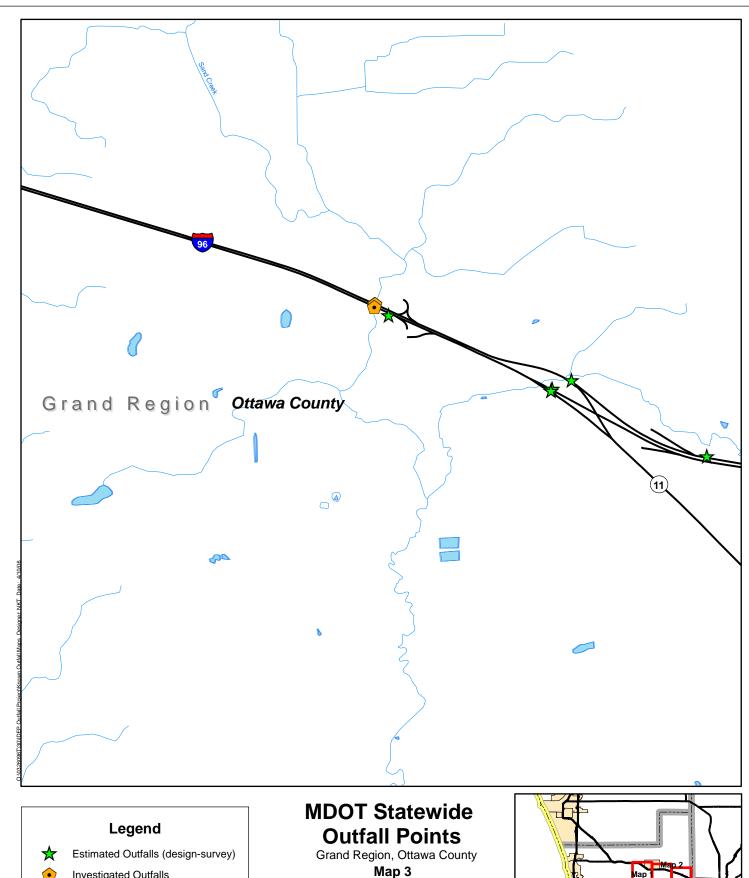


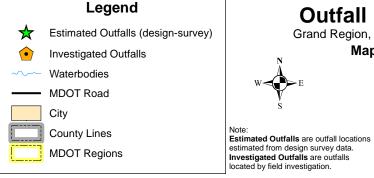
Grand Region, Ottawa County Map 2



0.4 **☐** Miles









0.4 **☐** Miles

